

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031364.D
 Acq On : 15 Sep 2022 19:19
 Operator : JC/MD
 Sample : N4492-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-02-133-143-090122RE

Quant Time: Sep 16 04:57:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

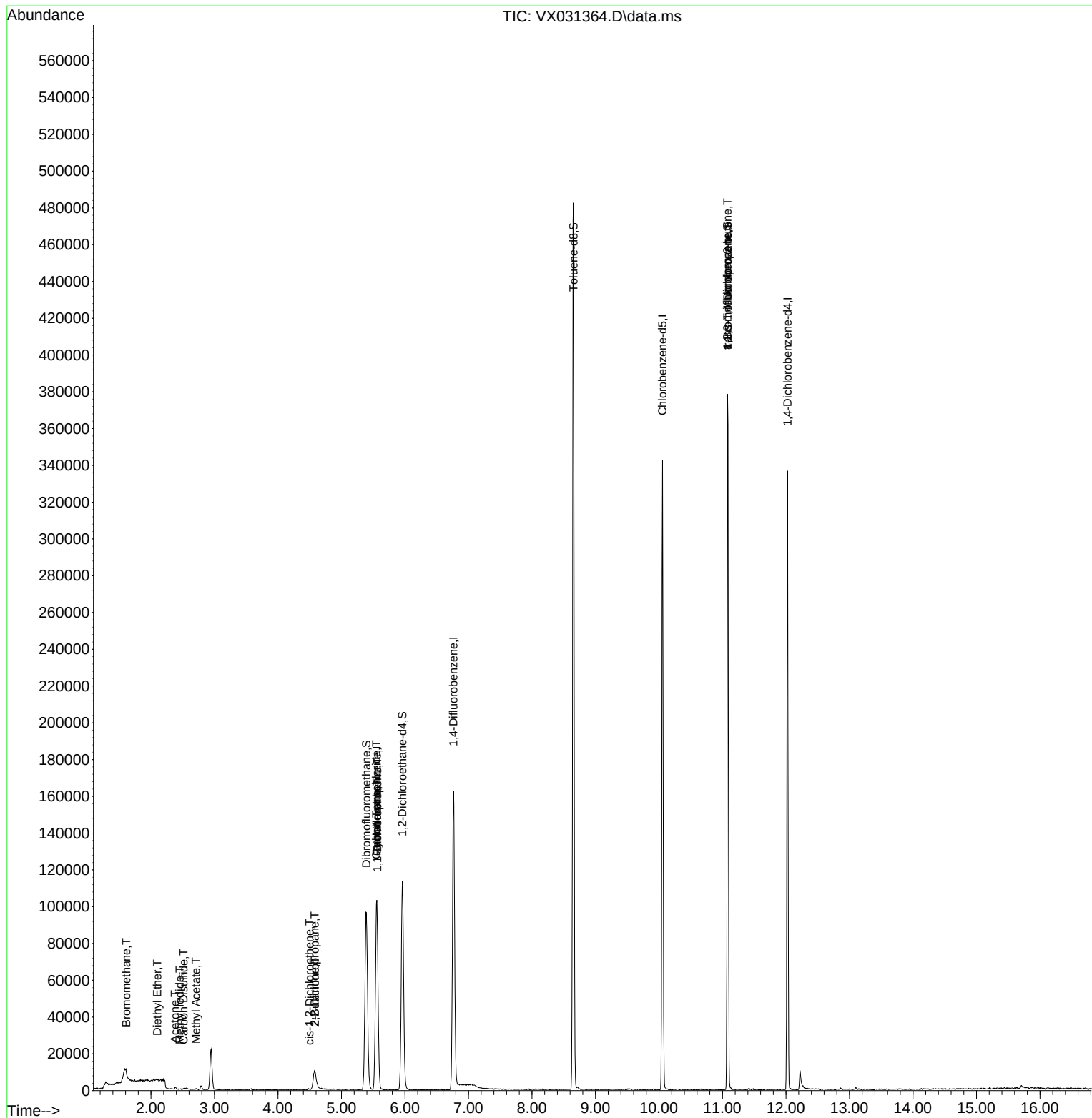
Internal Standards						
1) Pentafluorobenzene	5.556	168	97711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160645	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100199	41.778	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.560%
35) Dibromofluoromethane	5.391	113	80738	46.755	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.520%
50) Toluene-d8	8.653	98	281154	43.404	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	86.800%
62) 4-Bromofluorobenzene	11.079	95	89133	37.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.160%#
Target Compounds						Qvalue
3) Chloromethane	1.301	50	172	Below Cal	#	41
5) Bromomethane	1.612	94	513	0.401	ug/l #	62
8) Diethyl Ether	2.099	74	20	0.543	ug/l #	1
10) Methyl Iodide	2.453	142	46	0.937	ug/l #	38
11) Tert butyl alcohol	2.947	59	11807	Below Cal	#	76
16) Acetone	2.380	43	1261	1.232	ug/l	92
17) Carbon Disulfide	2.514	76	396	0.999	ug/l #	75
18) Methyl Acetate	2.709	43	825	0.272	ug/l #	65
20) Methylene Chloride	2.788	84	889	Below Cal	#	79
21) trans-1,2-Dichloroethene	3.063	96	58	Below Cal	#	1
25) 2-Butanone	4.581	43	816	0.483	ug/l #	49
26) 2,2-Dichloropropane	4.574	77	869	0.277	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	411	0.205	ug/l	24
31) Cyclohexane	5.556	56	2514	0.976	ug/l #	19
36) 1,1-Dichloropropene	5.562	75	8185	3.463	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9912	3.858	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	51502	32.158	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	51502	88.983	ug/l #	11

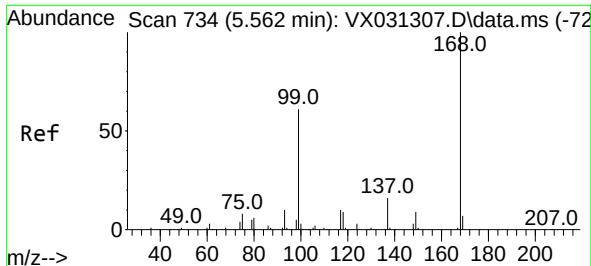
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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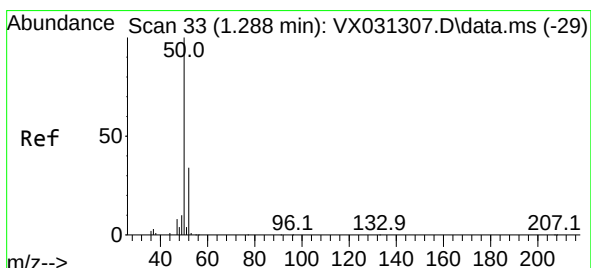
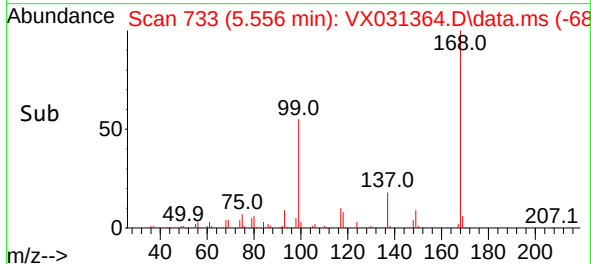
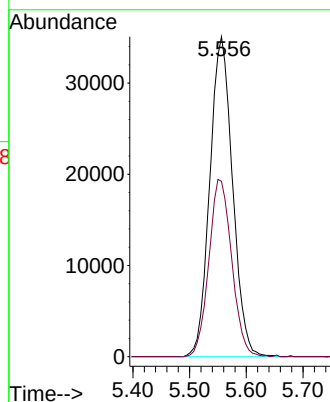
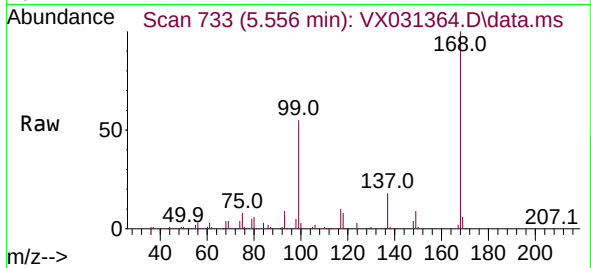




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

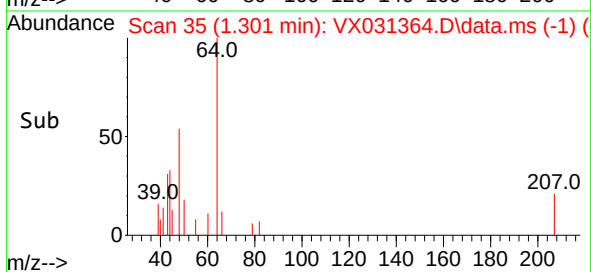
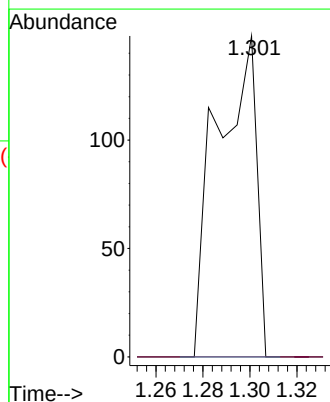
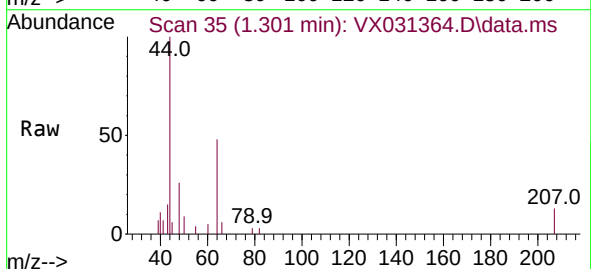
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

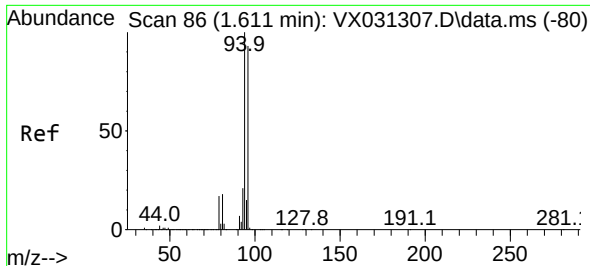
Tgt Ion:168 Resp: 97711
Ion Ratio Lower Upper
168 100
99 54.8 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. 0.013 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

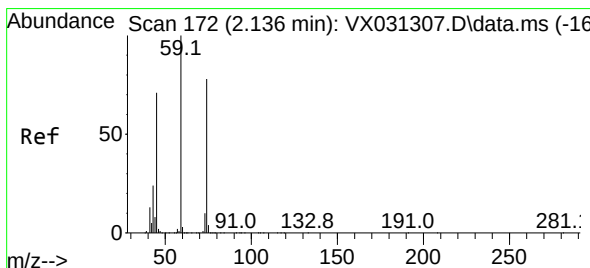
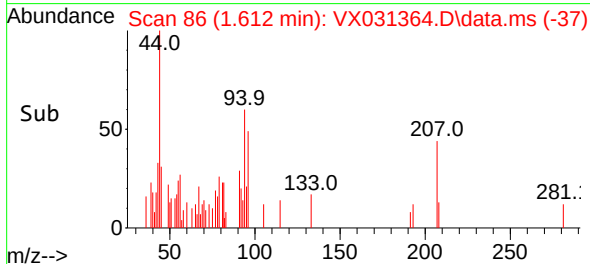
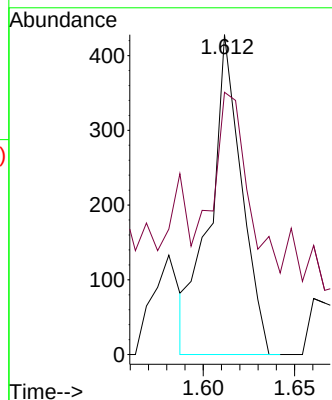
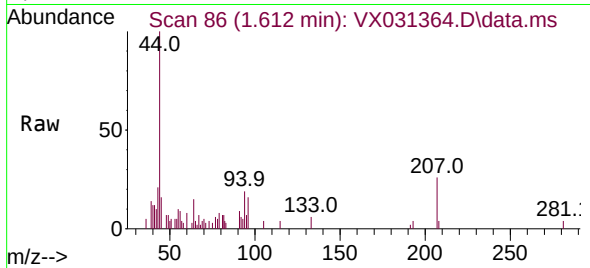




#5
Bromomethane
Concen: 0.401 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

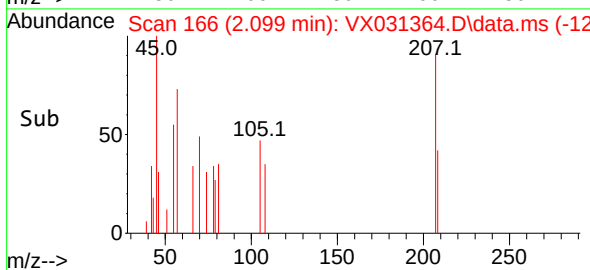
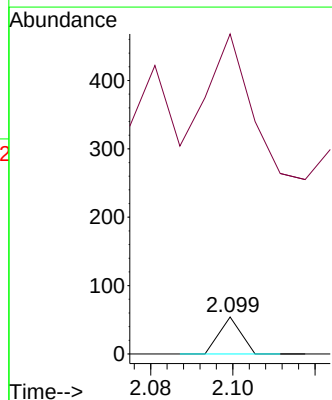
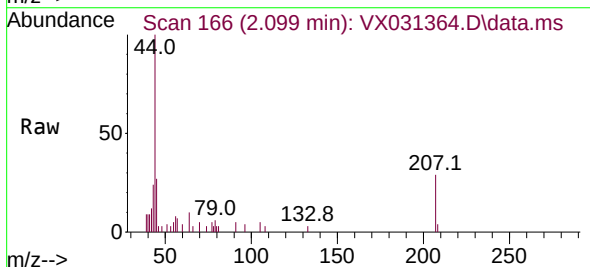
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

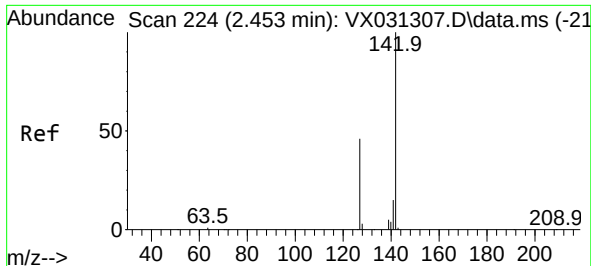
Tgt Ion: 94 Resp: 513
Ion Ratio Lower Upper
94 100
96 56.5 74.4 111.6#



#8
Diethyl Ether
Concen: 0.543 ug/l
RT: 2.099 min Scan# 166
Delta R.T. -0.037 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 1360.0 48.5 145.6#





#10

Methyl Iodide

Concen: 0.937 ug/l

RT: 2.453 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031364.D

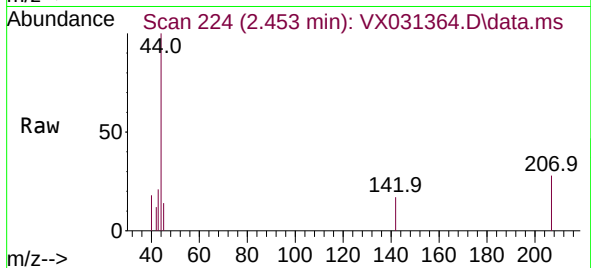
Acq: 15 Sep 2022 19:19

Instrument :

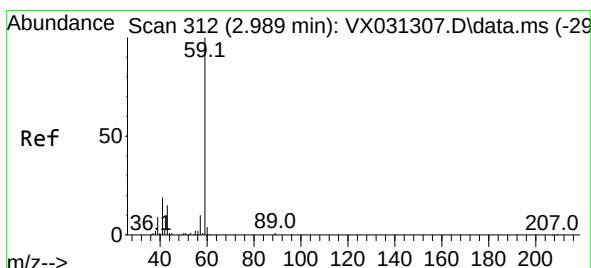
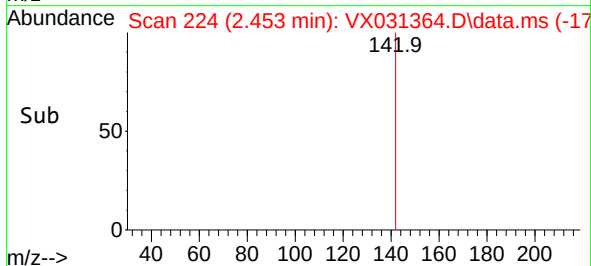
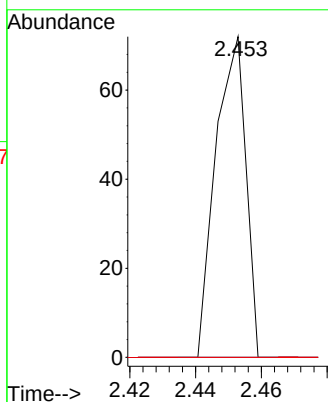
MSVOA_X

ClientSampleId :

BR-02-133-143-090122RE



Tgt Ion:	142	Resp:	46
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.4	56.0#
141	0.0	11.6	17.4#



#11

Tert butyl alcohol

Concen: Below Cal

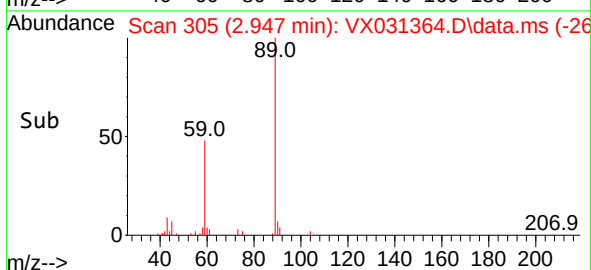
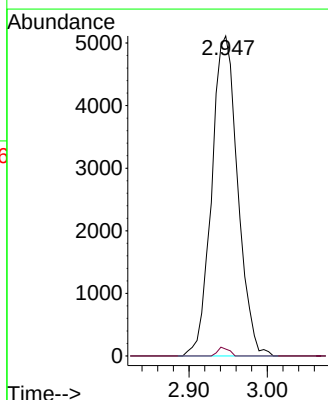
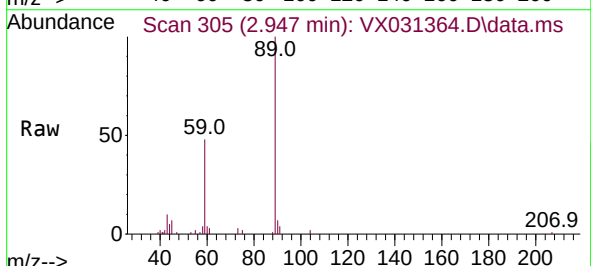
RT: 2.947 min Scan# 305

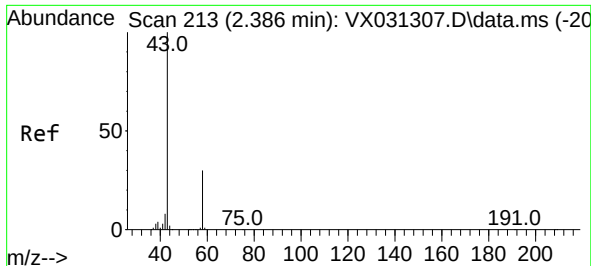
Delta R.T. -0.042 min

Lab File: VX031364.D

Acq: 15 Sep 2022 19:19

Tgt Ion:	59	Resp:	11807
Ion	Ratio	Lower	Upper
59	100		
57	1.2	8.2	12.2#

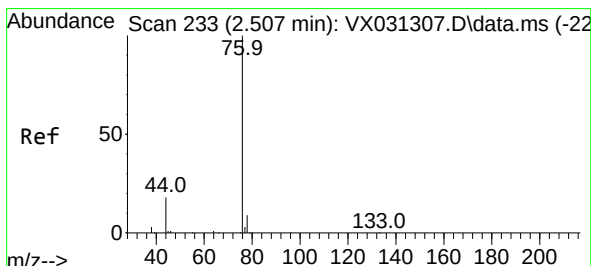
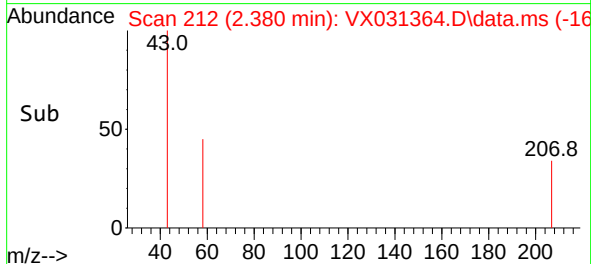
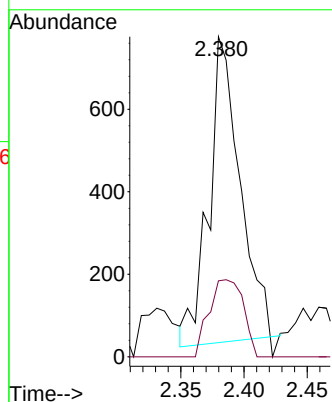
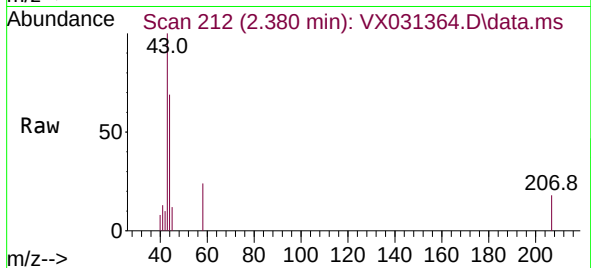




#16
Acetone
Concen: 1.232 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

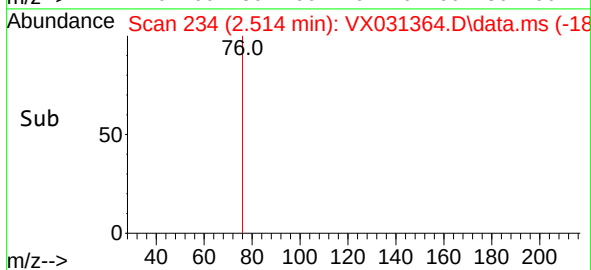
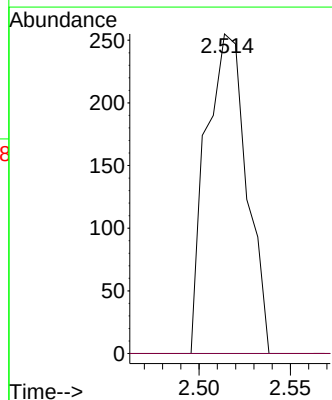
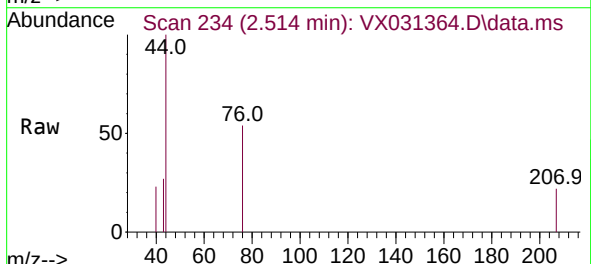
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

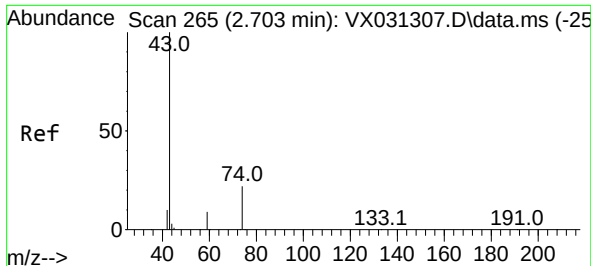
Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
58 25.6 23.8 35.8



#17
Carbon Disulfide
Concen: 0.999 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 76 Resp: 396
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

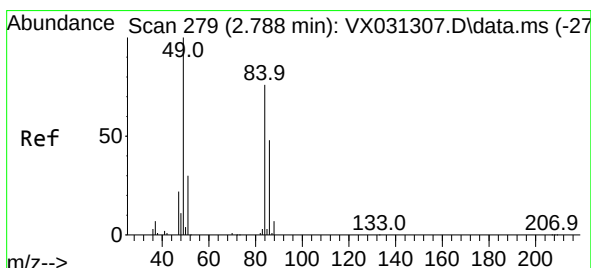
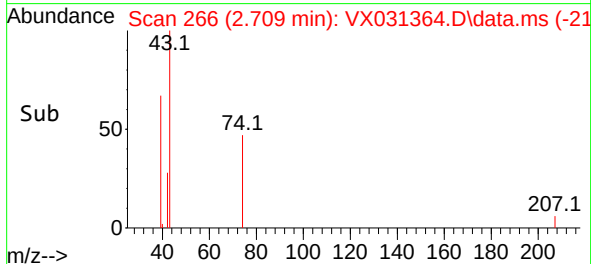
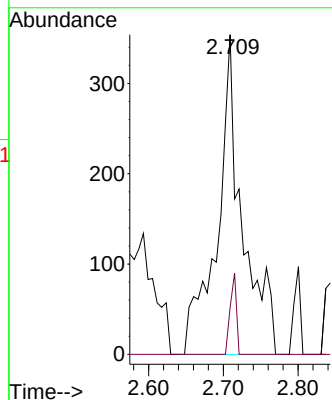
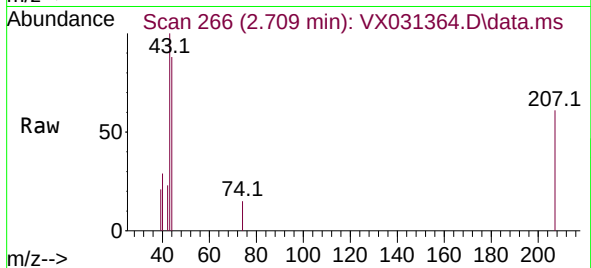




#18
Methyl Acetate
Concen: 0.272 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

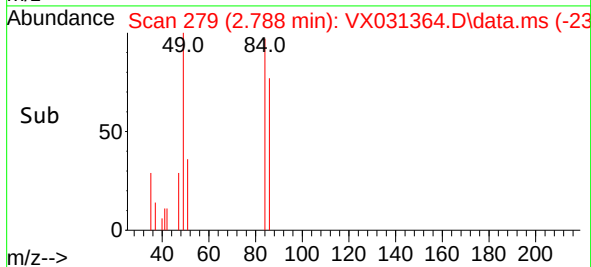
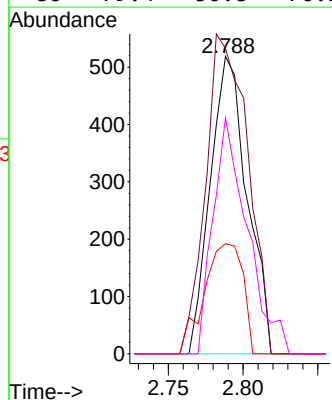
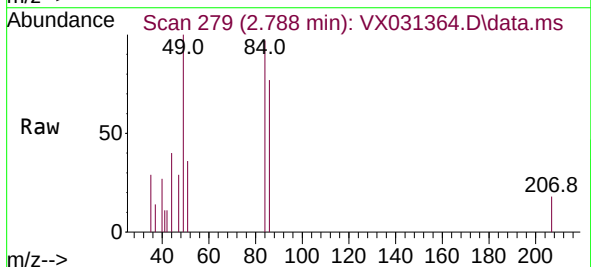
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

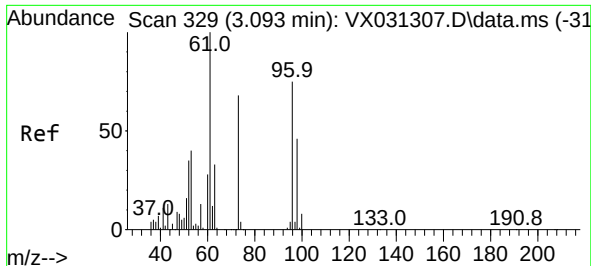
Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
74 6.3 18.6 27.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 84 Resp: 889
Ion Ratio Lower Upper
84 100
49 102.7 105.9 158.9#
51 37.0 32.2 48.2
86 79.4 50.8 76.2#

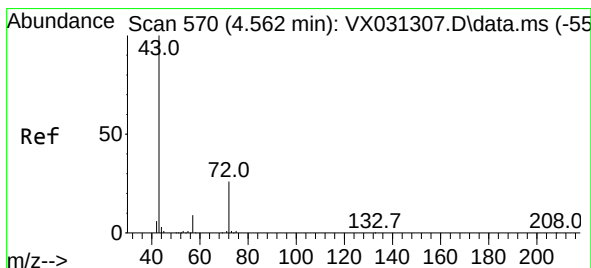
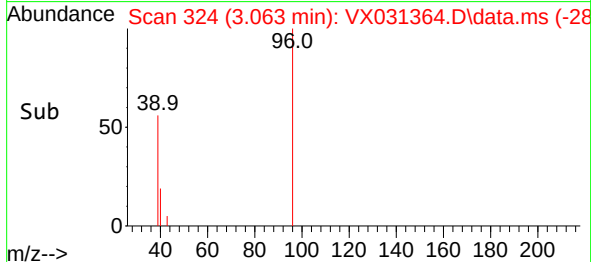
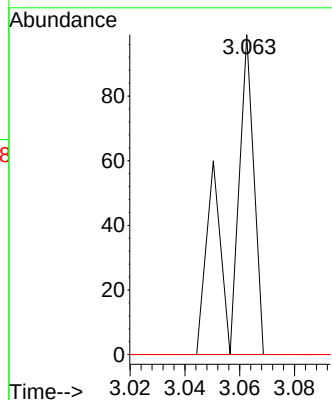
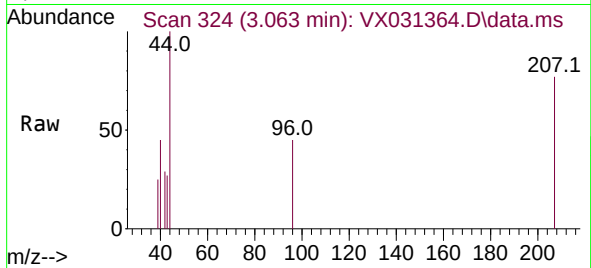




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.063 min Scan# 31
Delta R.T. -0.030 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

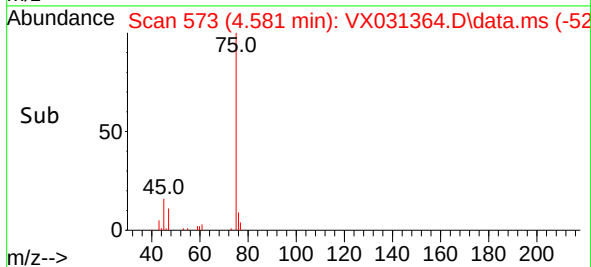
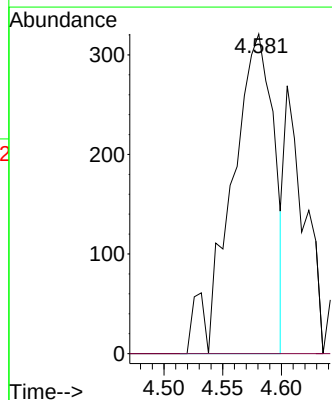
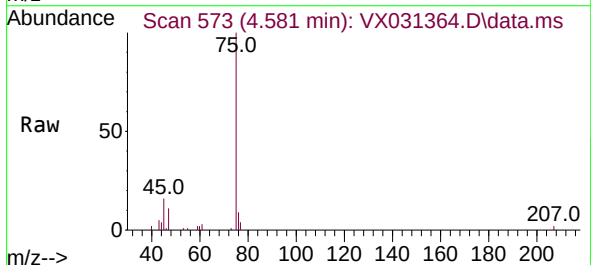
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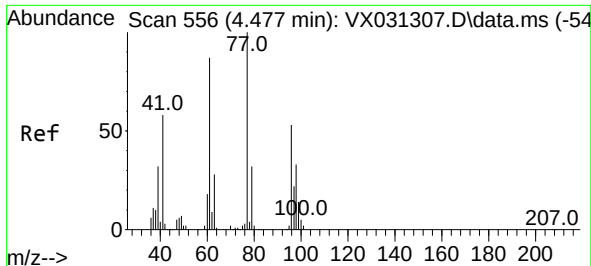
Tgt Ion: 96 Resp: 58
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 0.483 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

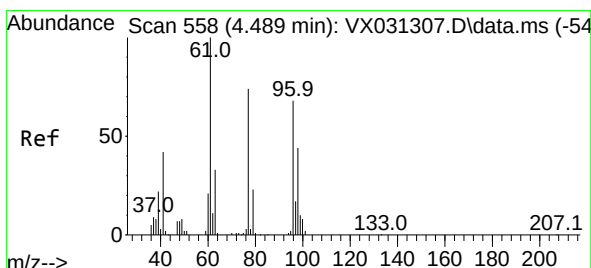
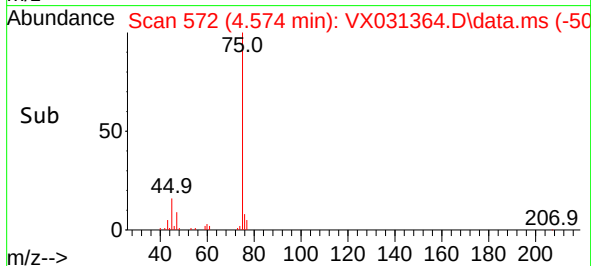
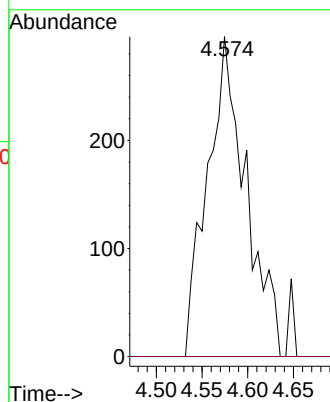
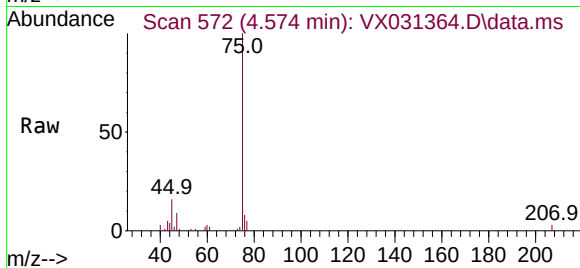




#26
2,2-Dichloropropane
Concen: 0.277 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.098 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

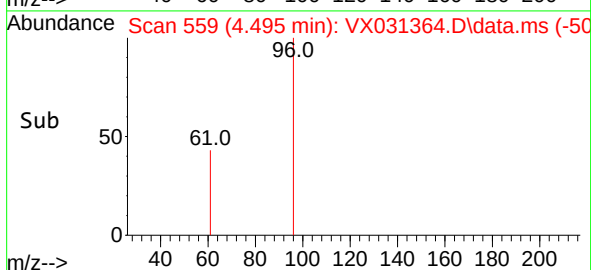
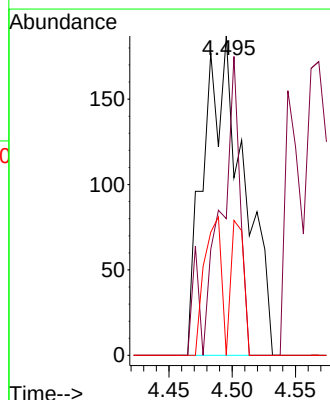
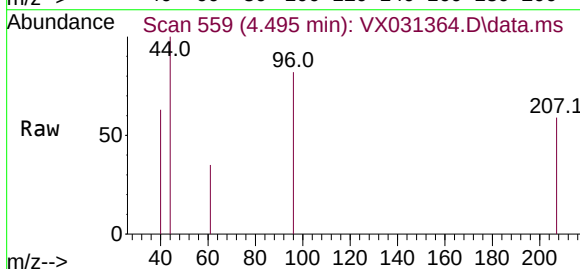
Instrument :
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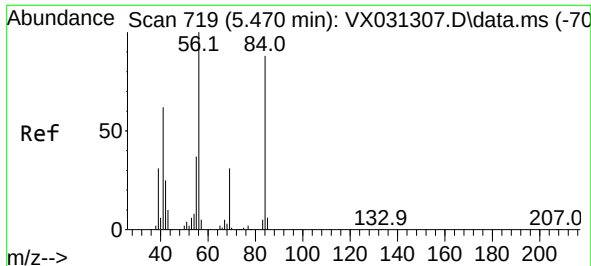
Tgt Ion: 77 Resp: 869
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.6#



#27
cis-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 96 Resp: 411
Ion Ratio Lower Upper
96 100
61 48.2 0.0 305.2
98 13.6 0.0 128.4

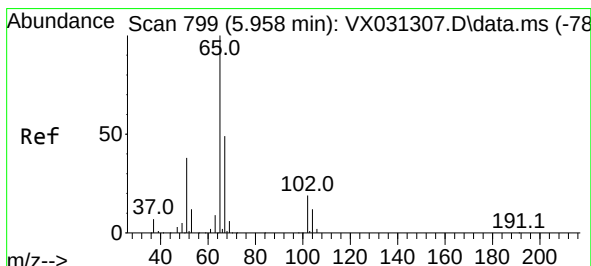
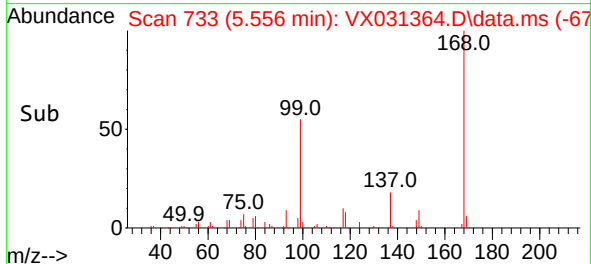
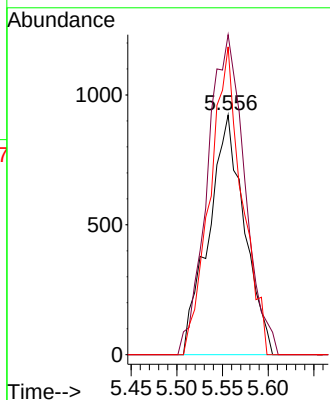
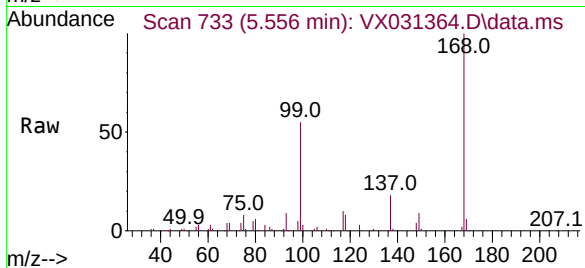




#31
Cyclohexane
Concen: 0.976 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

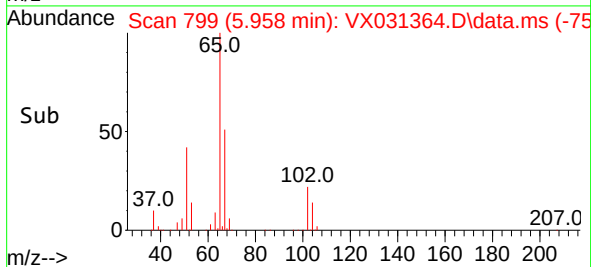
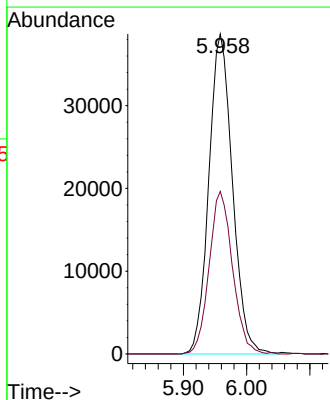
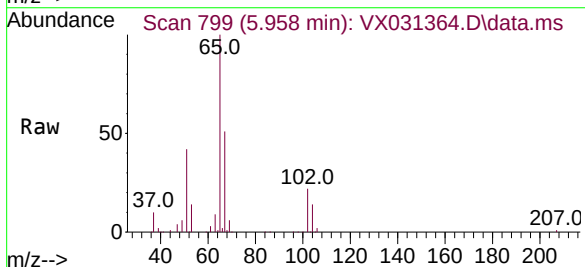
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

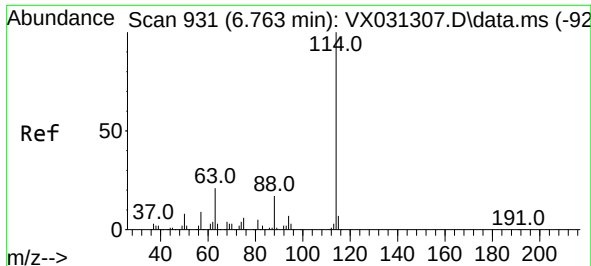
Tgt Ion: 56 Resp: 2514
Ion Ratio Lower Upper
56 100
69 133.5 25.1 37.7#
84 128.4 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 41.778 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 65 Resp: 100199
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.4

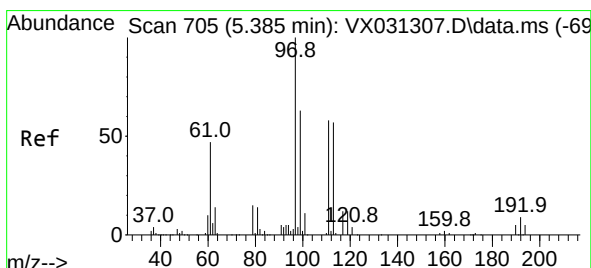
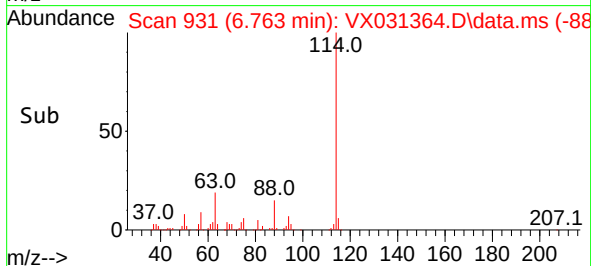
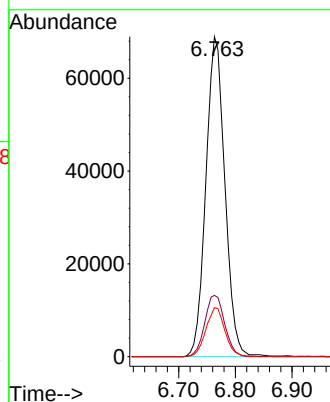
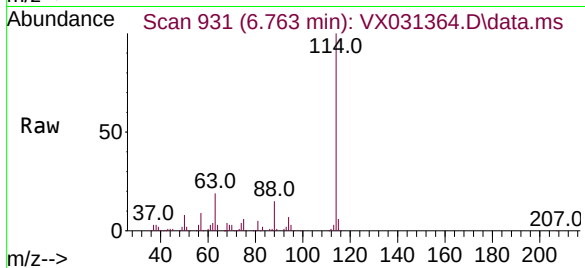




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

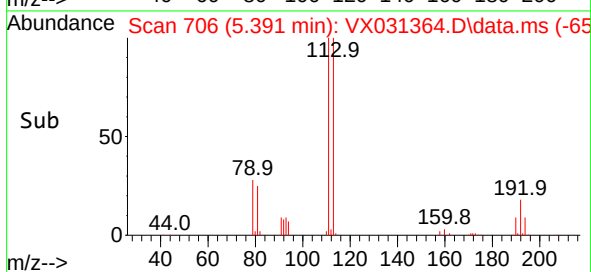
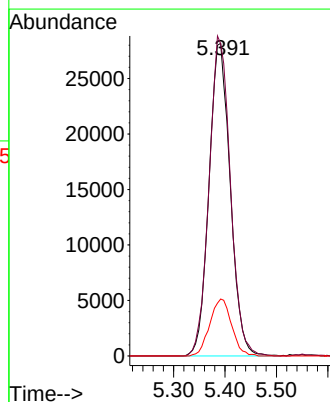
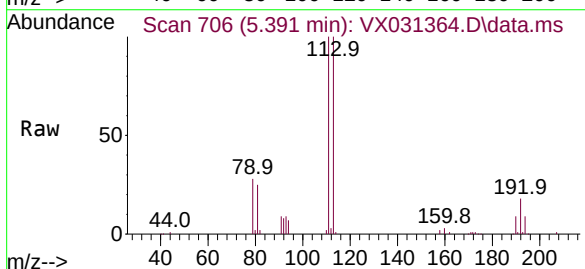
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

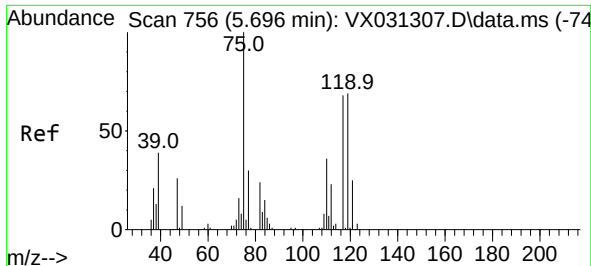
Tgt Ion:114 Resp: 160645
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.6
88 15.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.755 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion:113 Resp: 80738
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 18.7 14.1 21.1

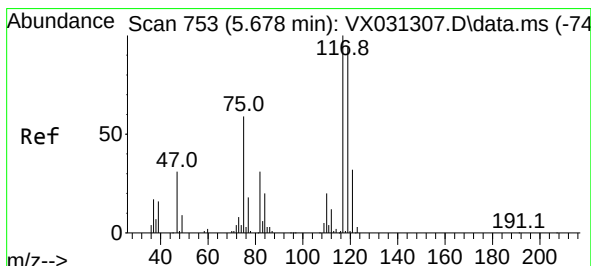
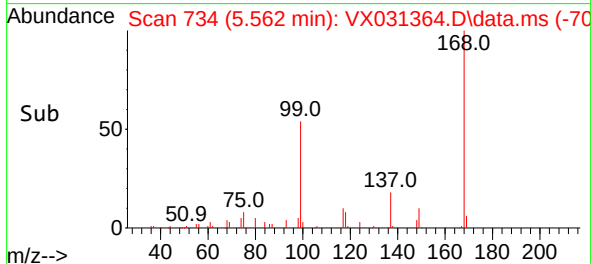
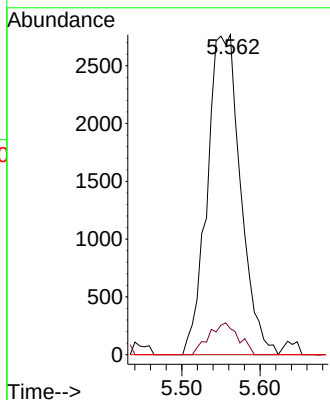
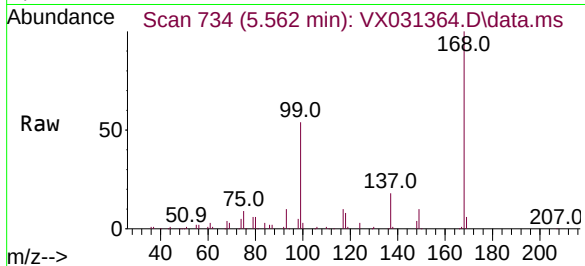




#36
1,1-Dichloropropene
Concen: 3.463 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

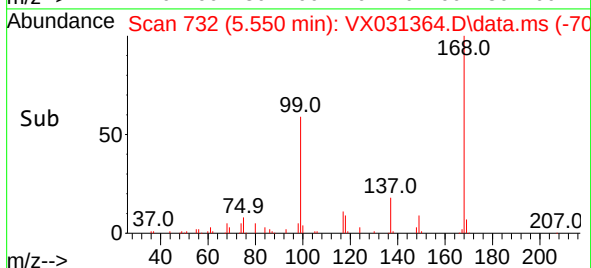
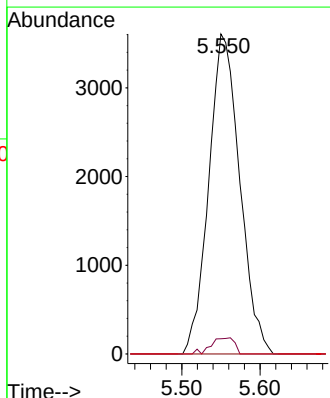
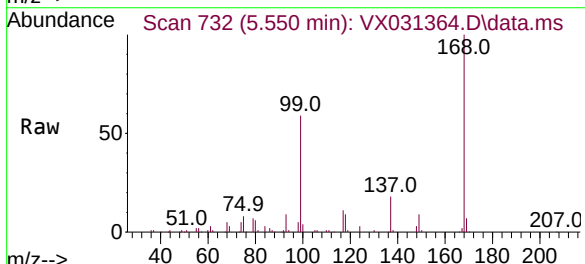
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

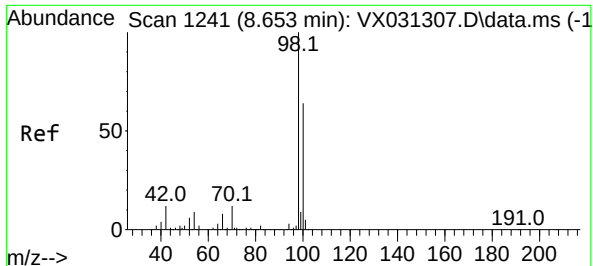
Tgt Ion: 75 Resp: 8185
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.858 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 117 Resp: 9912
Ion Ratio Lower Upper
117 100
119 4.7 74.6 112.0#
121 0.0 25.3 37.9#

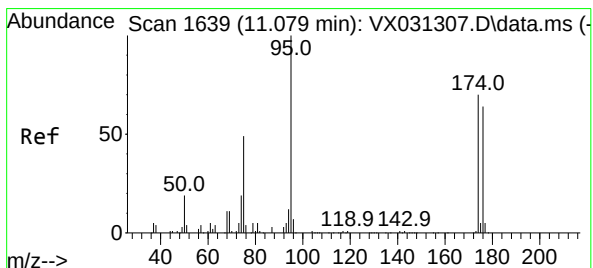
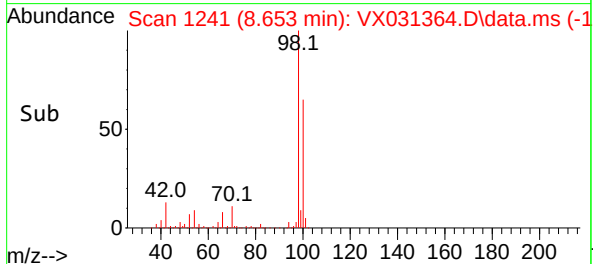
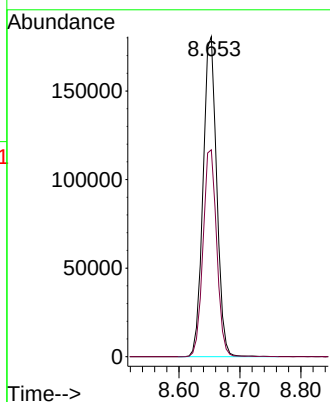
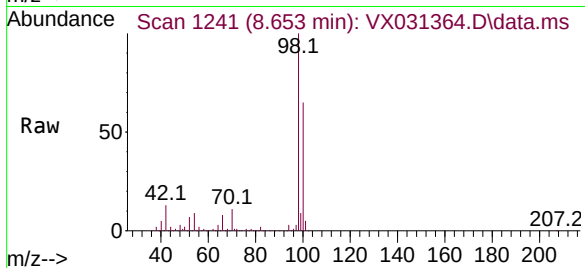




#50
Toluene-d8
Concen: 43.404 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

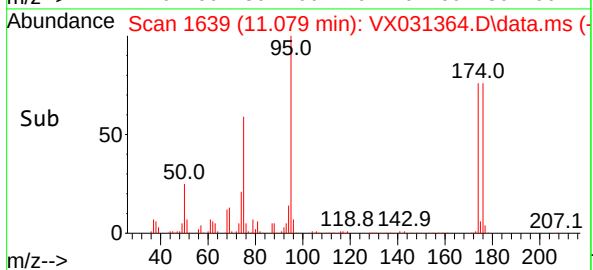
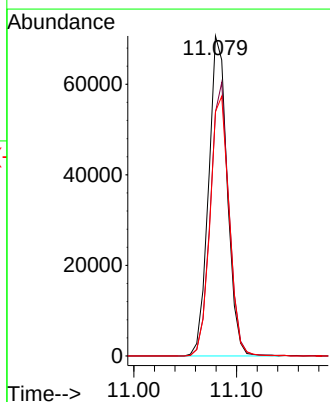
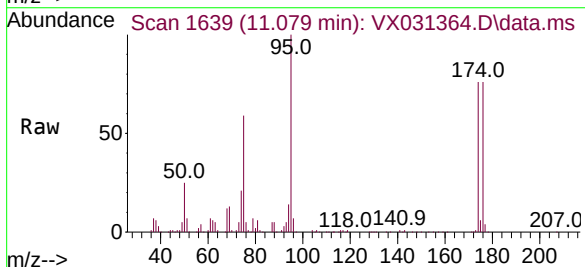
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122RE

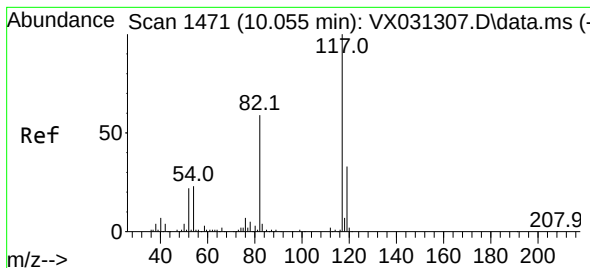
Tgt Ion: 98 Resp: 281154
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 37.577 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031364.D
Acq: 15 Sep 2022 19:19

Tgt Ion: 95 Resp: 89133
Ion Ratio Lower Upper
95 100
174 85.2 0.0 153.2
176 83.0 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031364.D

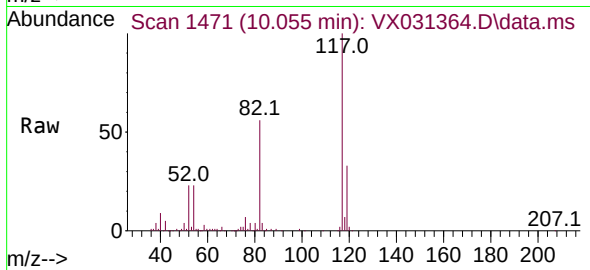
Acq: 15 Sep 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

BR-02-133-143-090122RE



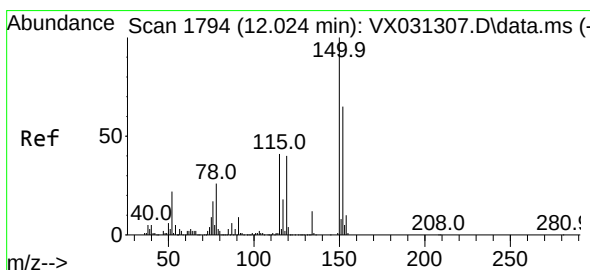
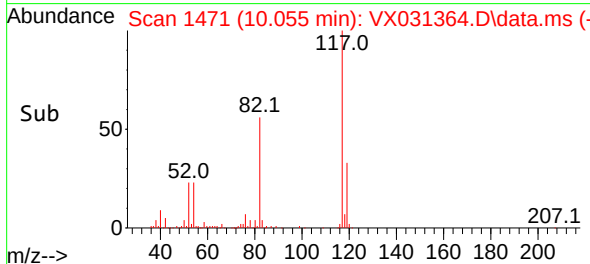
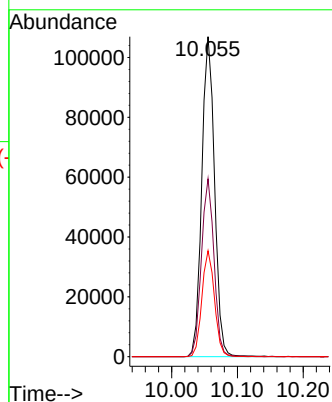
Tgt Ion:117 Resp: 144263

Ion Ratio Lower Upper

117 100

82 55.6 46.8 70.2

119 33.1 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031364.D

Acq: 15 Sep 2022 19:19

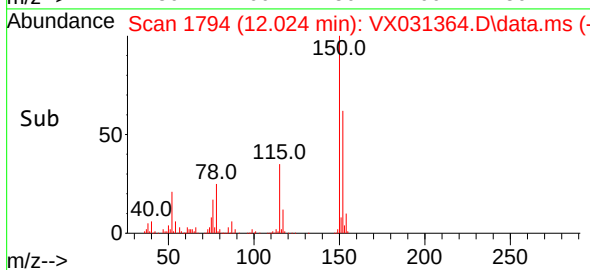
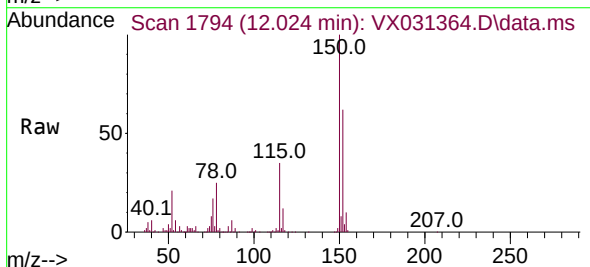
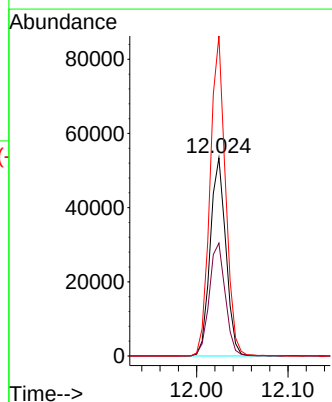
Tgt Ion:152 Resp: 63552

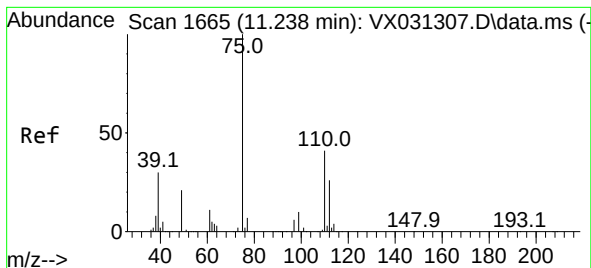
Ion Ratio Lower Upper

152 100

115 58.3 43.4 130.1

150 158.5 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 32.158 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031364.D

Acq: 15 Sep 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

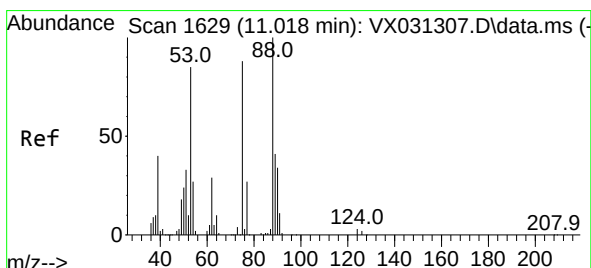
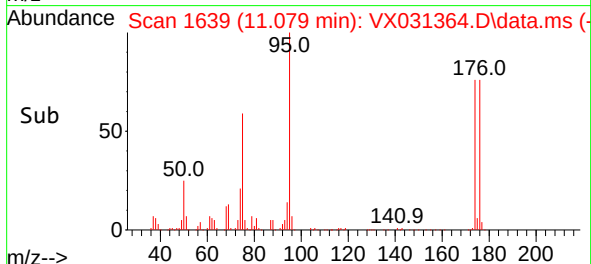
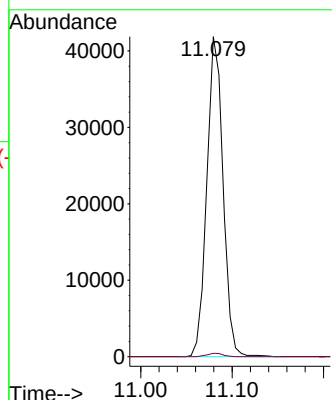
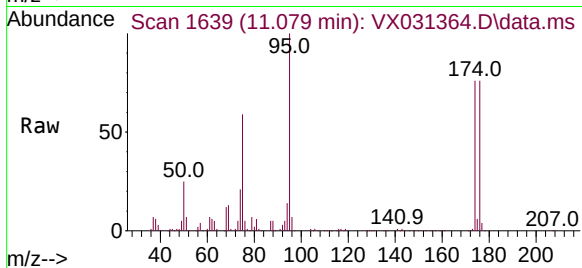
BR-02-133-143-090122RE

Tgt Ion: 75 Resp: 51502

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.983 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031364.D

Acq: 15 Sep 2022 19:19

Tgt Ion: 75 Resp: 51502

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 37.4 56.0#

