

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032815.D
 Acq On : 15 Nov 2022 12:21
 Operator : JC/MD
 Sample : N5587-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20221109DL

Quant Time: Nov 16 03:33:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

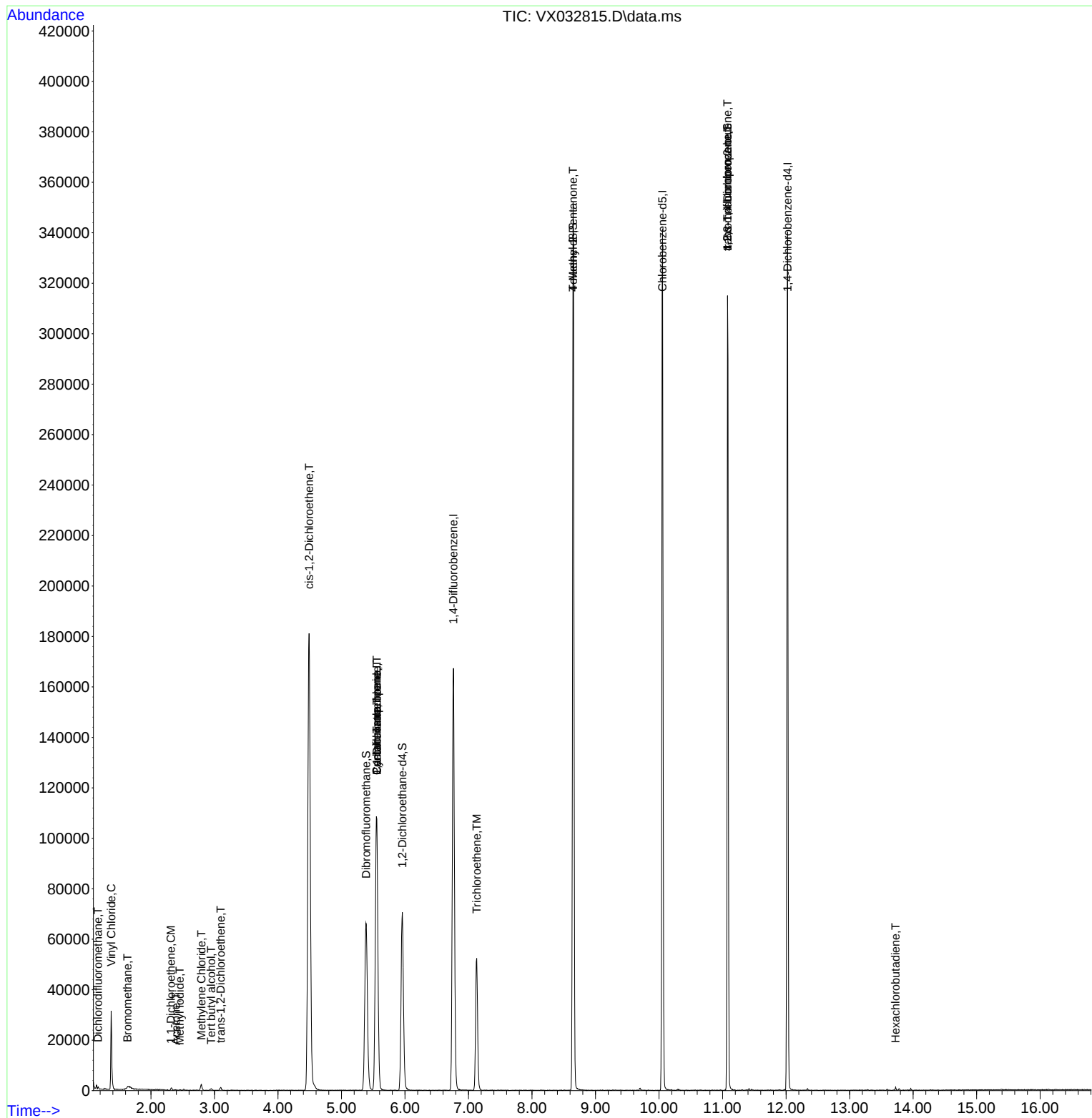
Internal Standards						
1) Pentafluorobenzene	5.556	168	103738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70148	48.666	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.340%
35) Dibromofluoromethane	5.385	113	57570	47.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.200%
50) Toluene-d8	8.647	98	209110	49.719	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.440%
62) 4-Bromofluorobenzene	11.079	95	78795	47.961	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	490	0.410	ug/l	92
4) Vinyl Chloride	1.374	62	19652	17.647	ug/l	96
5) Bromomethane	1.630	94	213	0.239	ug/l #	1
10) Methyl Iodide	2.453	142	200	2.072	ug/l #	37
11) Tert butyl alcohol	2.947	59	444	2.116	ug/l #	72
12) 1,1-Dichloroethene	2.313	96	342	0.329	ug/l #	92
16) Acetone	2.392	43	149	0.284	ug/l #	45
20) Methylene Chloride	2.794	84	1083	0.902	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	530	0.468	ug/l #	74
27) cis-1,2-Dichloroethene	4.489	96	116533	89.027	ug/l	89
31) Cyclohexane	5.556	56	2222	1.271	ug/l #	39
36) 1,1-Dichloropropene	5.556	75	7894	4.687	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10833	5.799	ug/l #	17
44) Trichloroethene	7.129	130	20748	15.463	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	838	0.494	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43313	27.697	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43313	88.133	ug/l #	6
94) Hexachlorobutadiene	13.725	225	255	0.369	ug/l	84

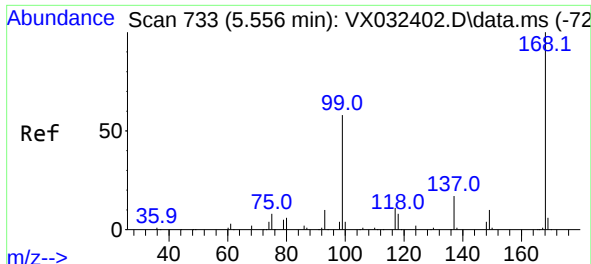
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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20BR-20221109DL

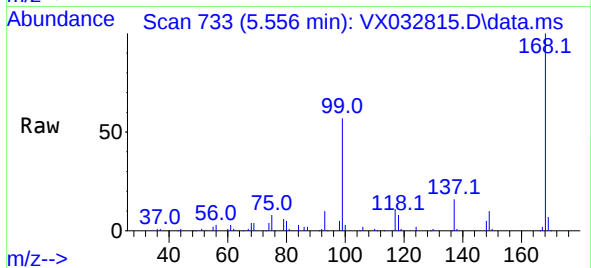
Quant Time: Nov 16 03:33:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration



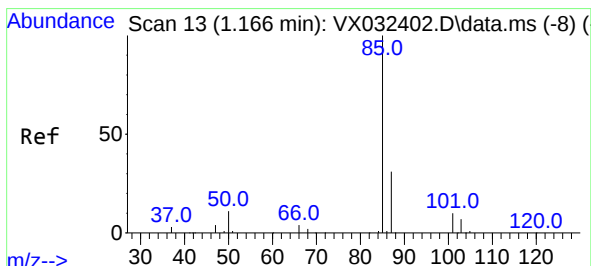
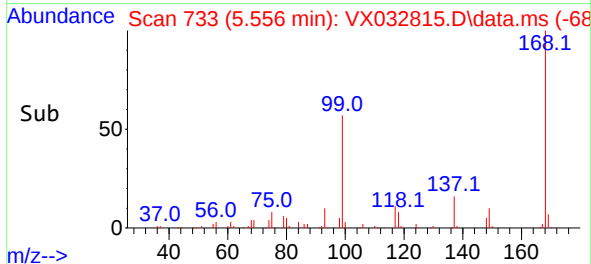
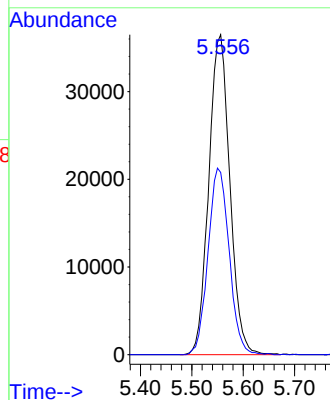


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

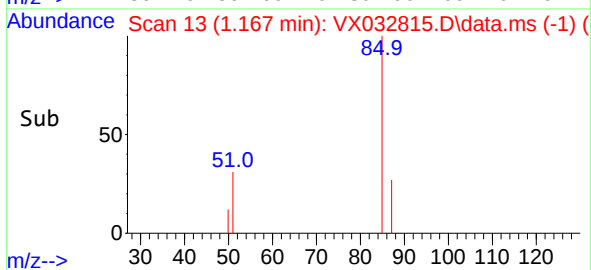
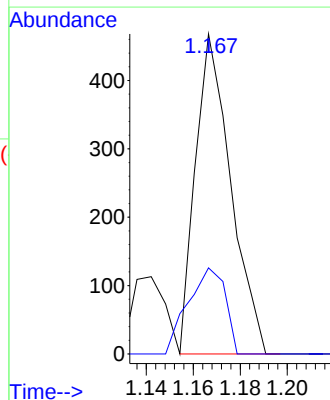
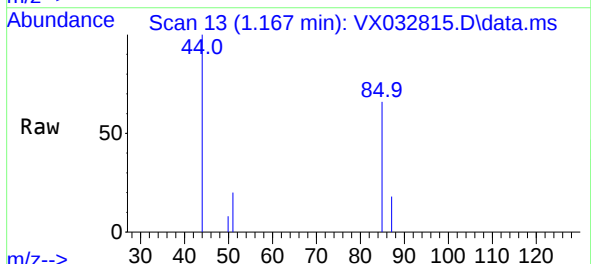


Tgt Ion:168 Resp: 103738
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1

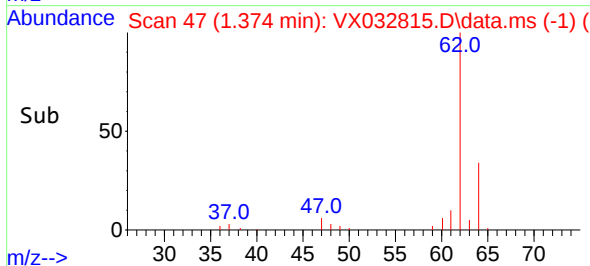
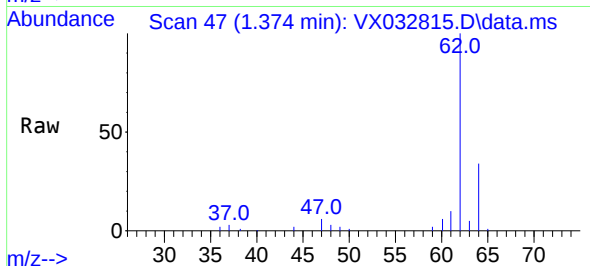
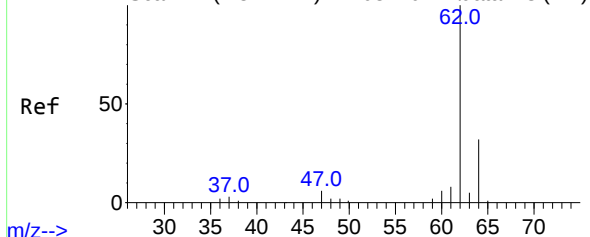


#2
Dichlorodifluoromethane
Concen: 0.410 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Tgt Ion: 85 Resp: 490
Ion Ratio Lower Upper
85 100
87 26.9 15.6 46.7



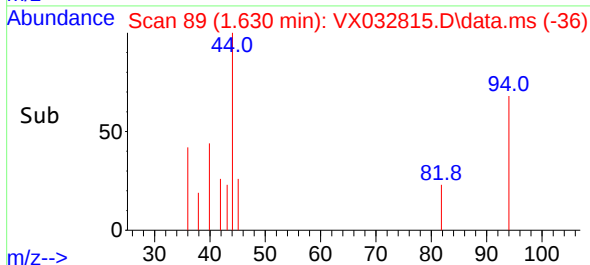
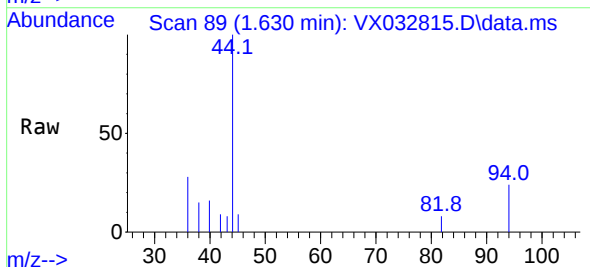
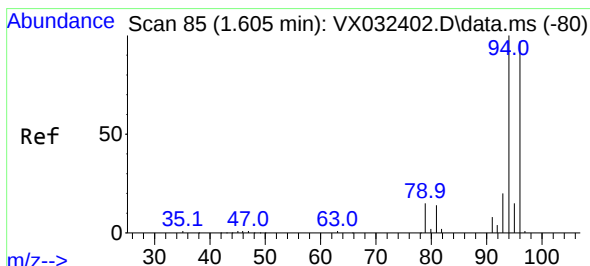
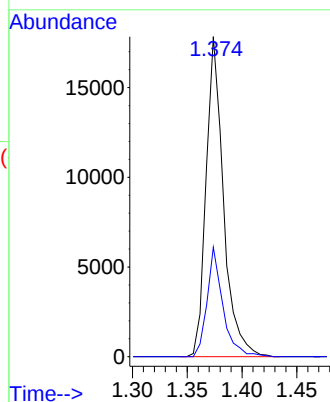
Abundance Scan 47 (1.374 min): VX032402.D\data.ms (-42)



#4
Vinyl Chloride
Concen: 17.647 ug/l
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

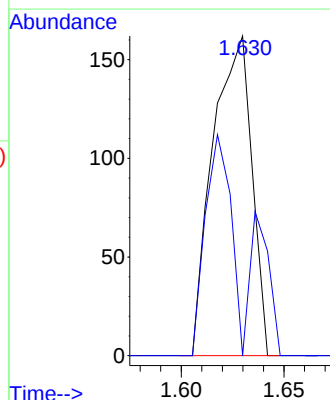
Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

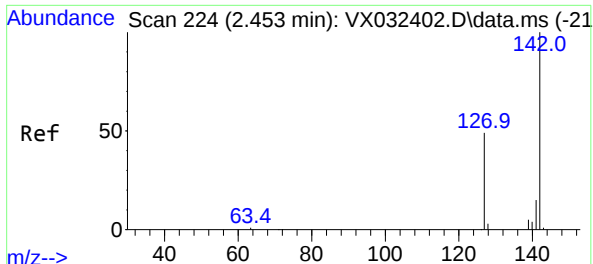
Tgt Ion: 62 Resp: 19652
Ion Ratio Lower Upper
62 100
64 34.2 25.8 38.6



#5
Bromomethane
Concen: 0.239 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.025 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

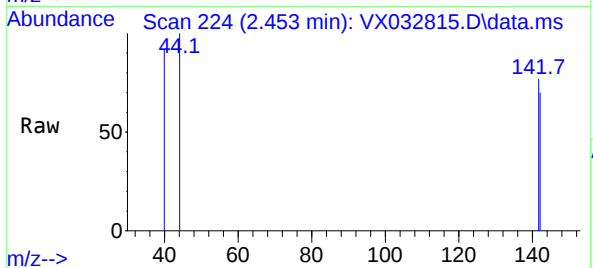
Tgt Ion: 94 Resp: 213
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



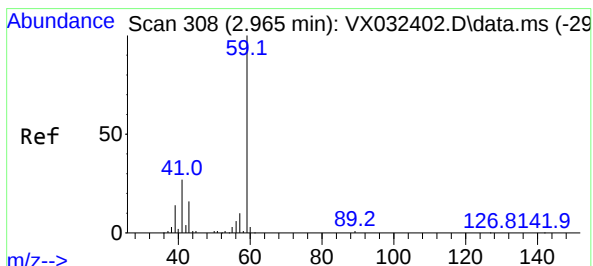
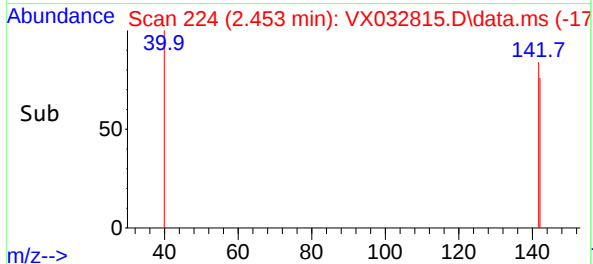
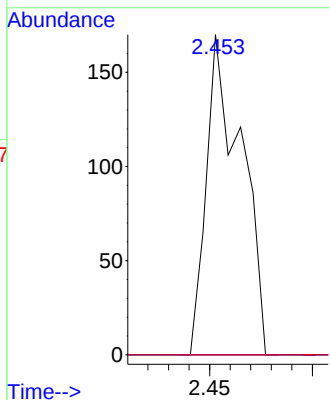


#10
Methyl Iodide
Concen: 2.072 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

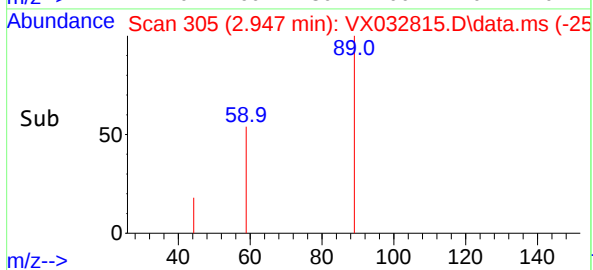
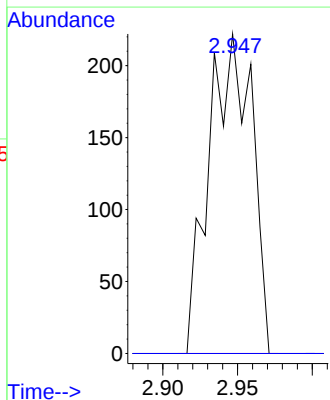
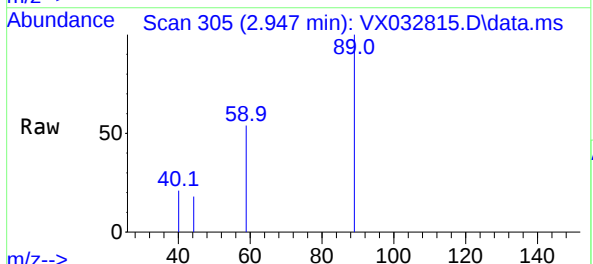


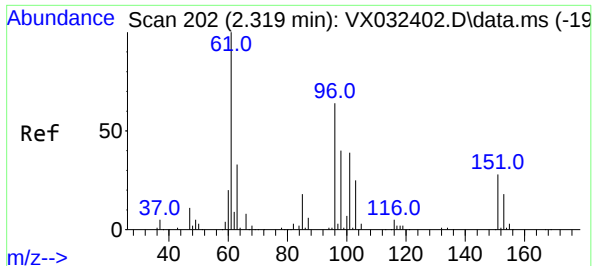
Tgt Ion:142 Resp: 200
Ion Ratio Lower Upper
142 100
127 0.0 38.6 57.8#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.116 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.329 ug/l

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX032815.D

Acq: 15 Nov 2022 12:21

Instrument :

MSVOA_X

ClientSampleId :

20BR-20221109DL

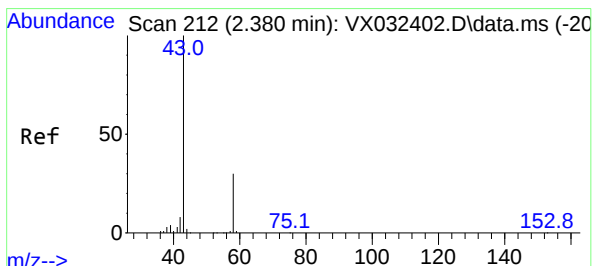
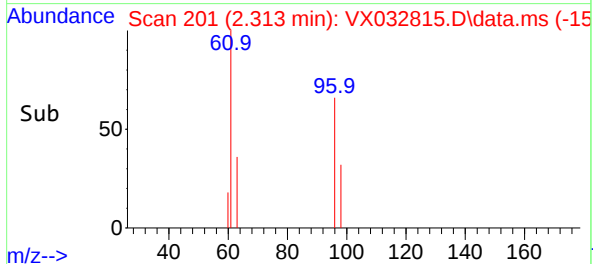
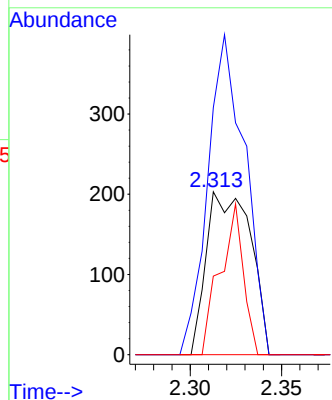
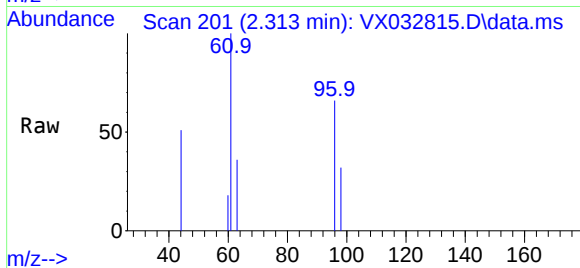
Tgt Ion: 96 Resp: 342

Ion Ratio Lower Upper

96 100

61 151.7 125.1 187.7

98 48.3 50.6 76.0#



#16

Acetone

Concen: 0.284 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032815.D

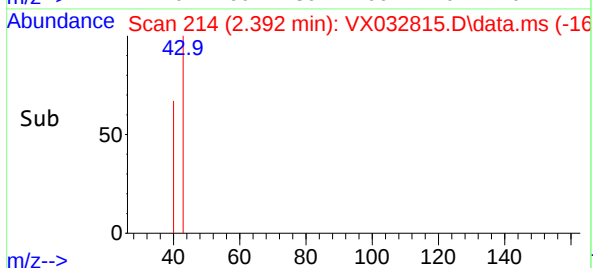
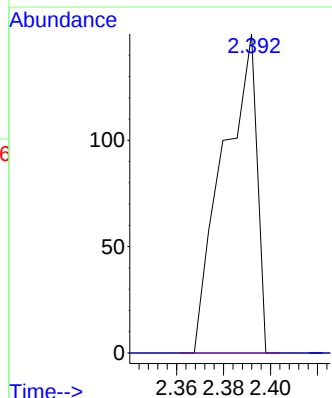
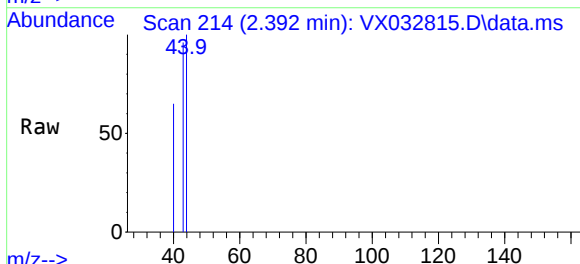
Acq: 15 Nov 2022 12:21

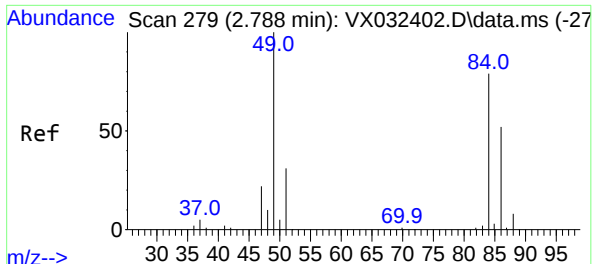
Tgt Ion: 43 Resp: 149

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#





#20

Methylene Chloride

Concen: 0.902 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX032815.D

Acq: 15 Nov 2022 12:21

Instrument :

MSVOA_X

ClientSampleId :

20BR-20221109DL

Tgt Ion: 84 Resp: 1083

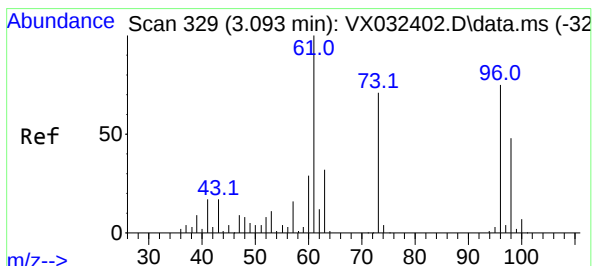
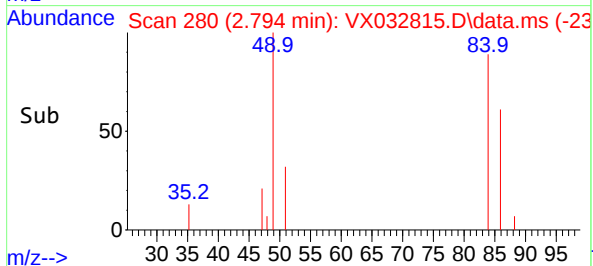
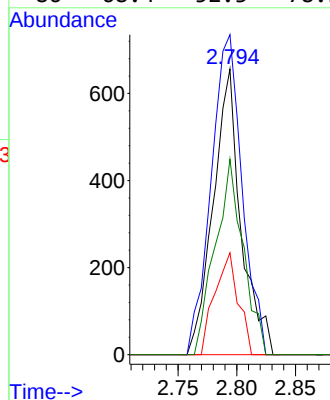
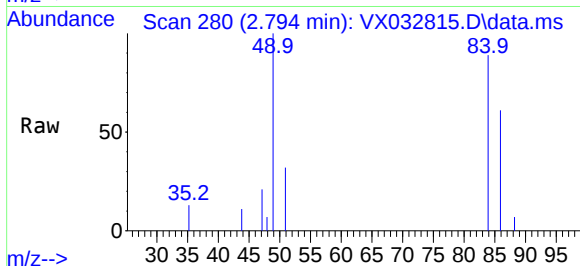
Ion Ratio Lower Upper

84 100

49 112.0 101.0 151.6

51 35.7 31.1 46.7

86 68.4 52.3 78.5



#21

trans-1,2-Dichloroethene

Concen: 0.468 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX032815.D

Acq: 15 Nov 2022 12:21

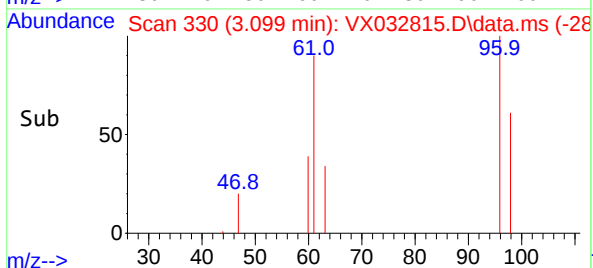
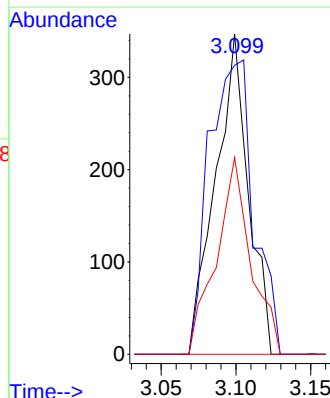
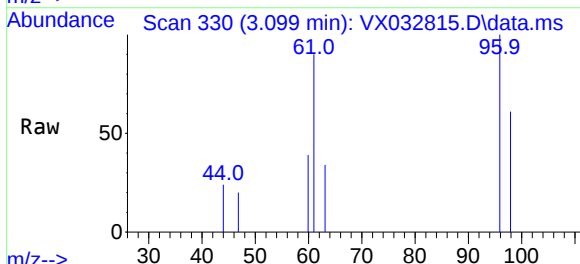
Tgt Ion: 96 Resp: 530

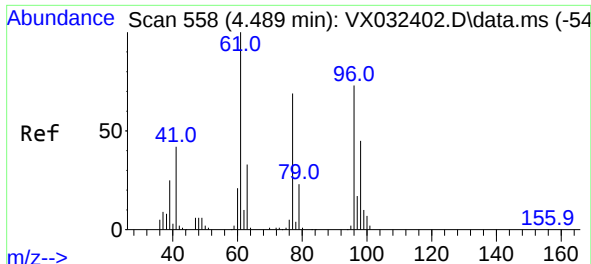
Ion Ratio Lower Upper

96 100

61 90.2 106.6 160.0#

98 61.4 51.0 76.6

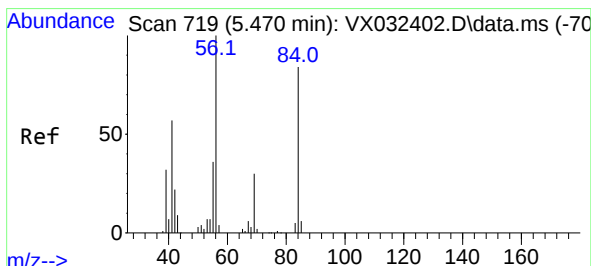
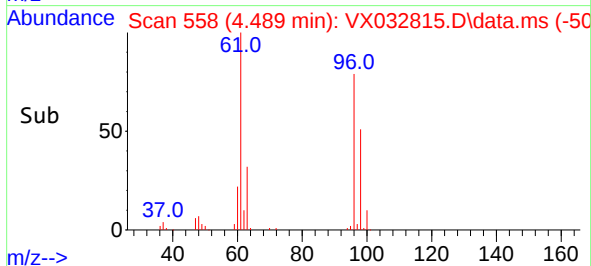
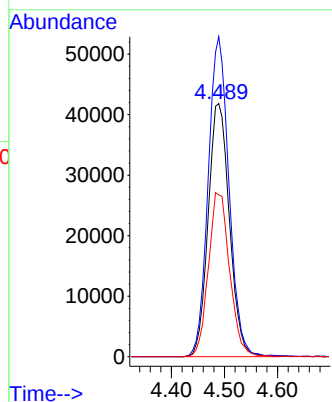
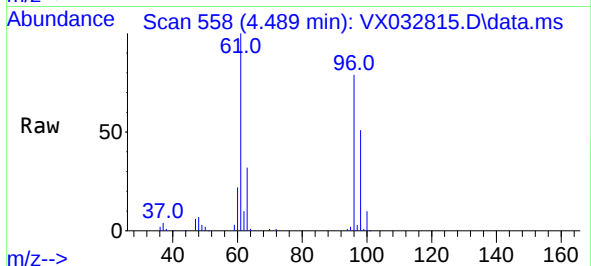




#27
 cis-1,2-Dichloroethene
 Concen: 89.027 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX032815.D
 Acq: 15 Nov 2022 12:21

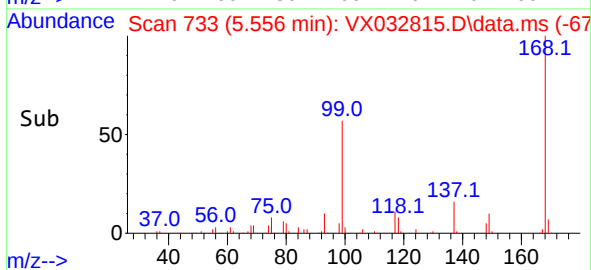
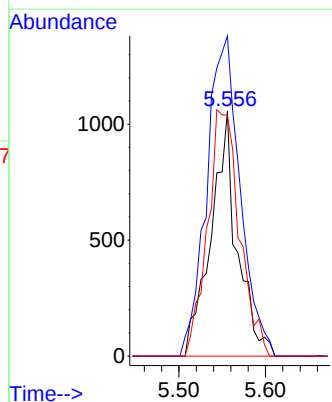
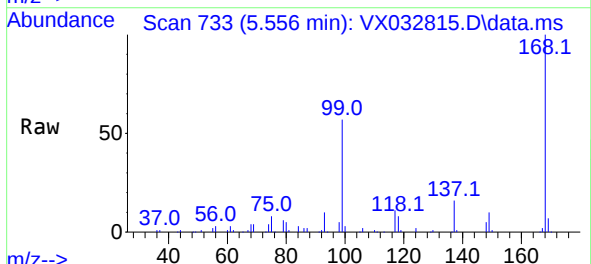
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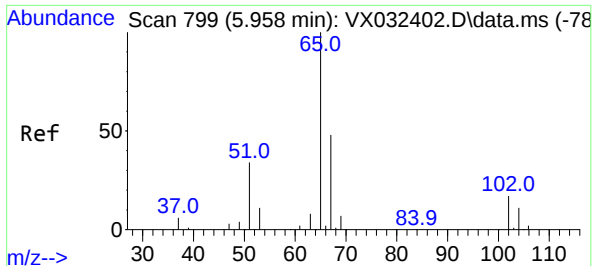
Tgt Ion: 96 Resp: 116533
 Ion Ratio Lower Upper
 96 100
 61 123.2 0.0 286.0
 98 64.7 0.0 129.6



#31
 Cyclohexane
 Concen: 1.271 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.085 min
 Lab File: VX032815.D
 Acq: 15 Nov 2022 12:21

Tgt Ion: 56 Resp: 2222
 Ion Ratio Lower Upper
 56 100
 69 130.8 24.1 36.1#
 84 98.4 66.9 100.3

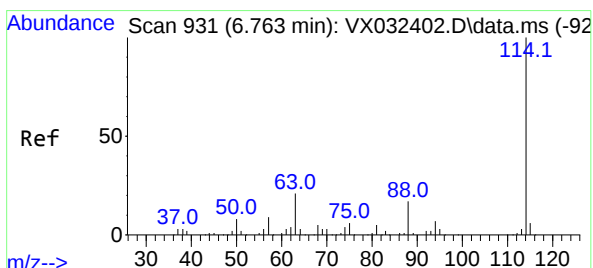
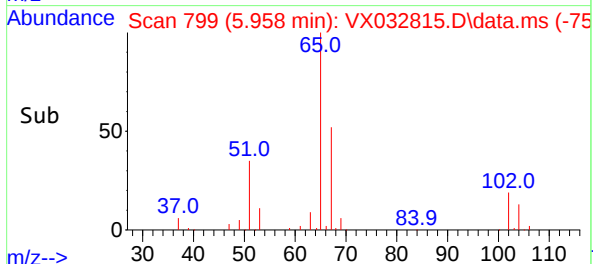
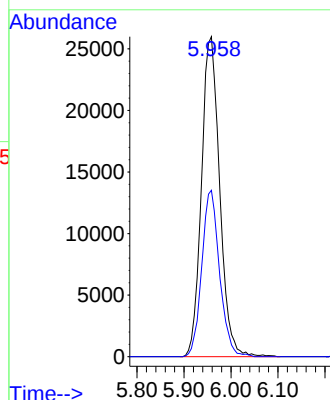
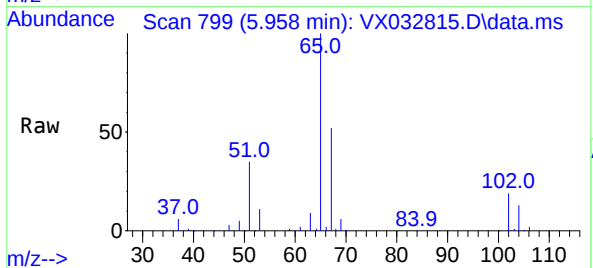




#33
 1,2-Dichloroethane-d4
 Concen: 48.666 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032815.D
 Acq: 15 Nov 2022 12:21

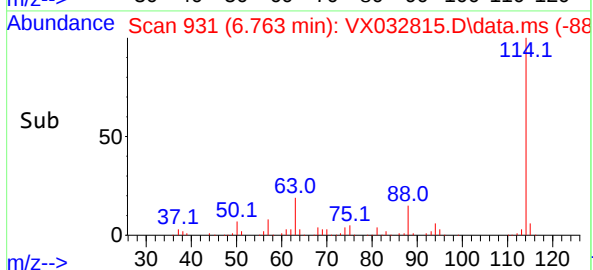
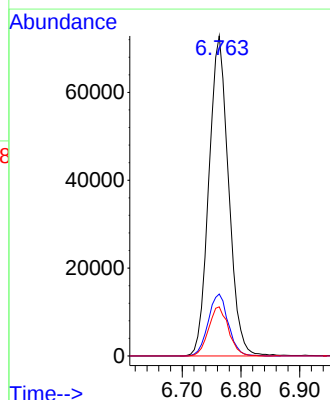
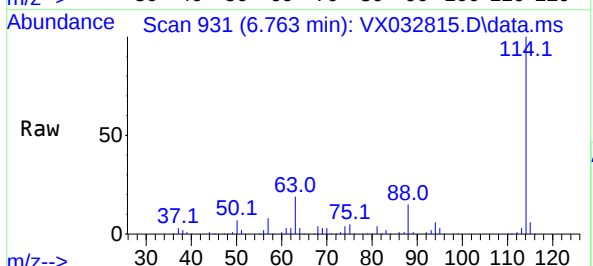
Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20221109DL

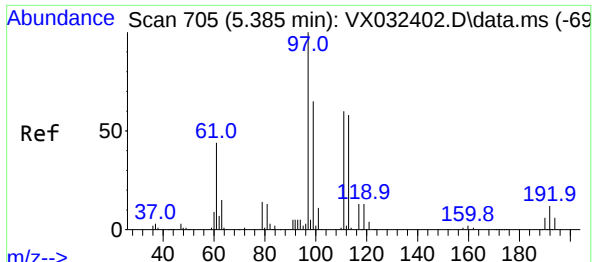
Tgt Ion: 65 Resp: 70148
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032815.D
 Acq: 15 Nov 2022 12:21

Tgt Ion: 114 Resp: 169567
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.6
 88 15.4 0.0 33.4

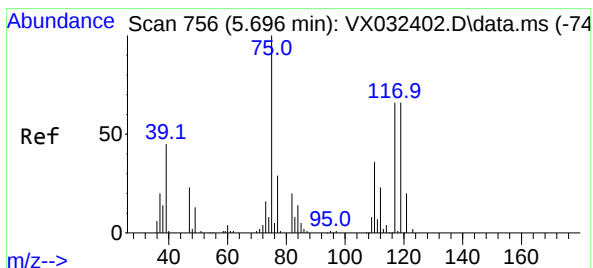
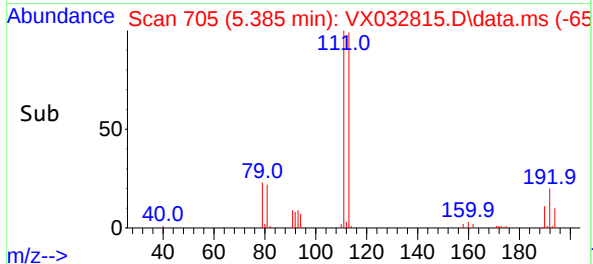
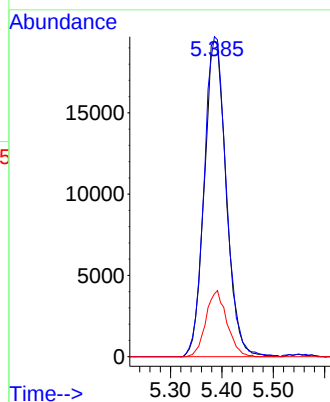
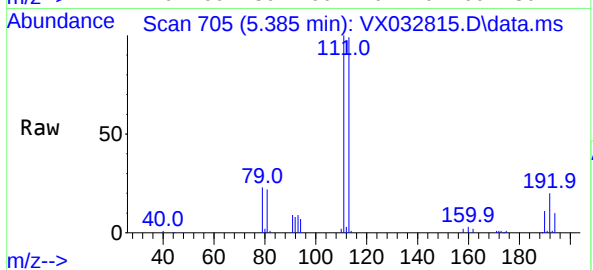




#35
Dibromofluoromethane
Concen: 47.597 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

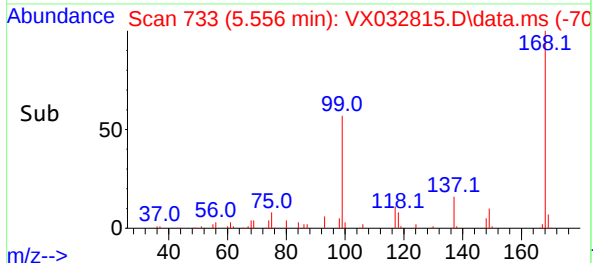
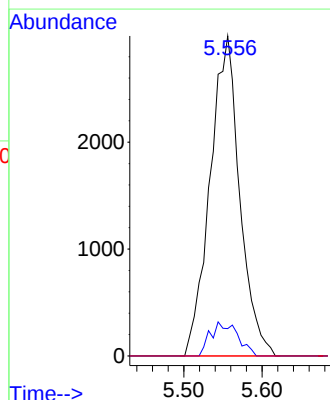
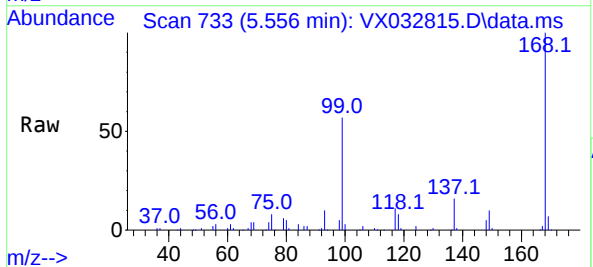
Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

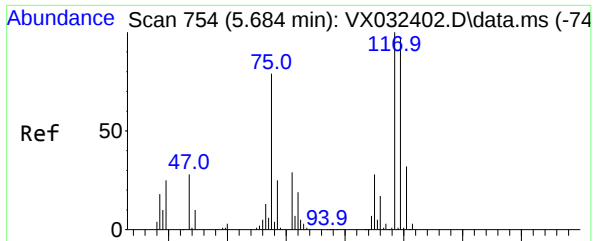
Tgt Ion:113 Resp: 57570
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 20.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.687 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

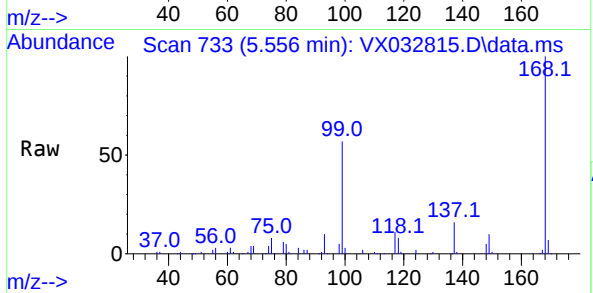
Tgt Ion: 75 Resp: 7894
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.5 36.7#



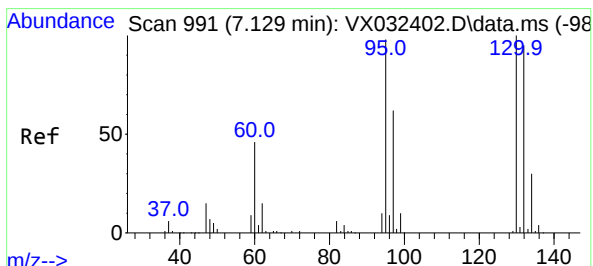
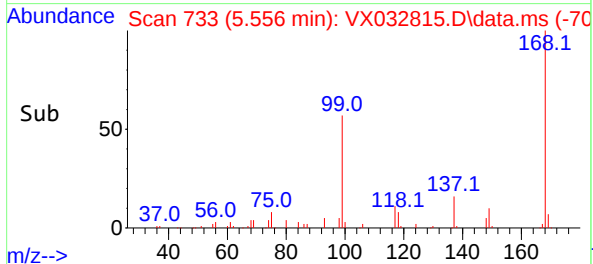
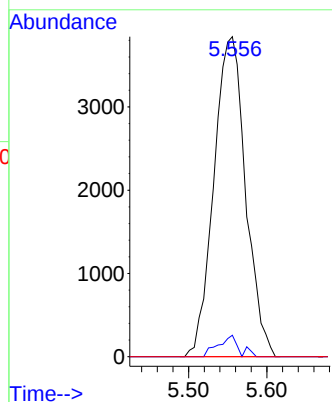


#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

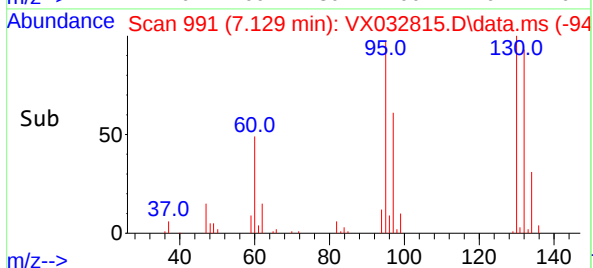
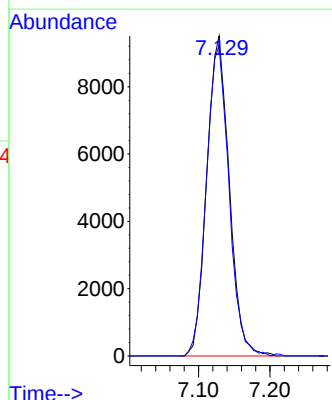
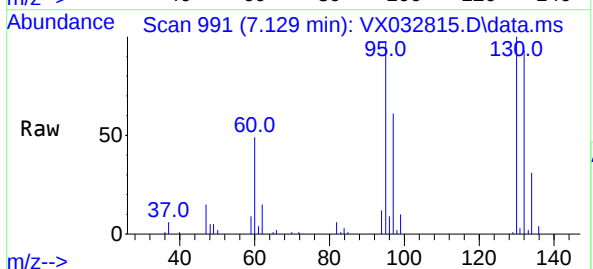


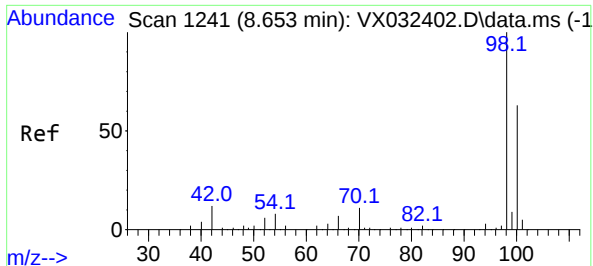
Tgt Ion:117 Resp: 10833
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 25.8 38.6#



#44
Trichloroethene
Concen: 15.463 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Tgt Ion:130 Resp: 20748
Ion Ratio Lower Upper
130 100
95 97.0 0.0 195.2





#50

Toluene-d8

Concen: 49.719 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032815.D

Acq: 15 Nov 2022 12:21

Instrument :

MSVOA_X

ClientSampleId :

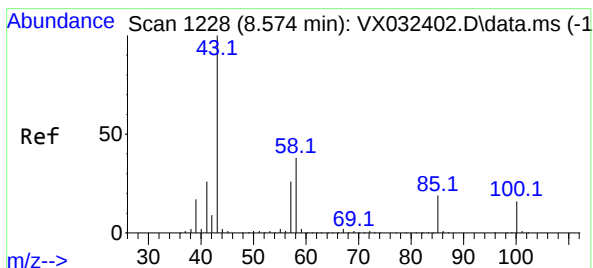
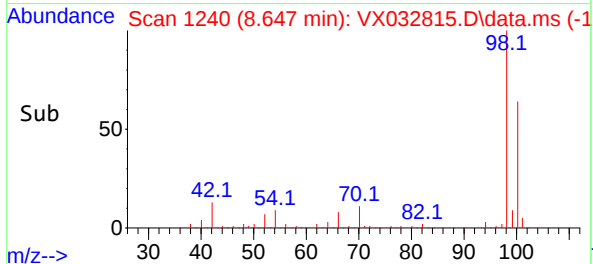
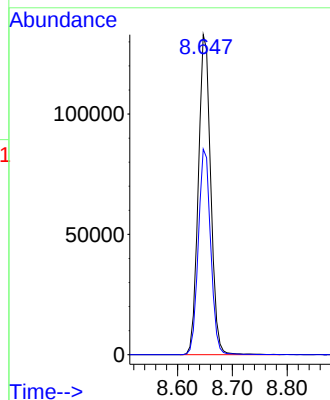
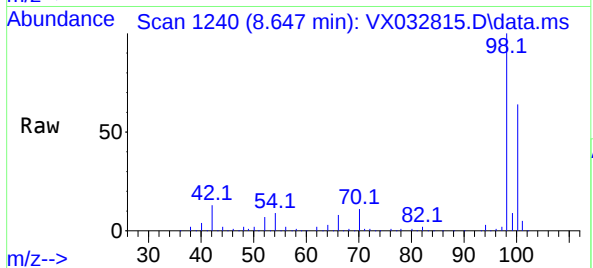
20BR-20221109DL

Tgt Ion: 98 Resp: 209110

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.494 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032815.D

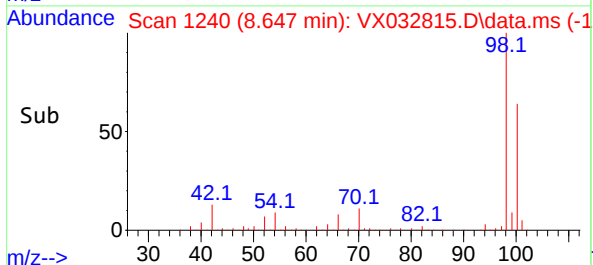
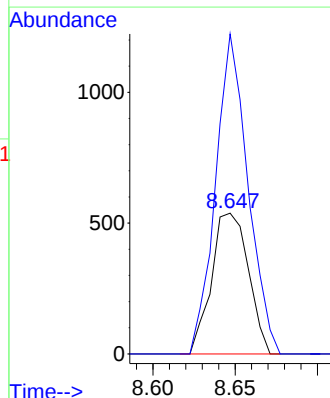
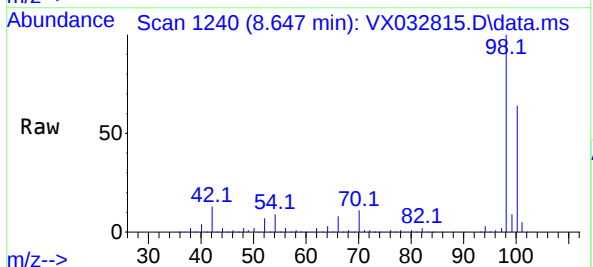
Acq: 15 Nov 2022 12:21

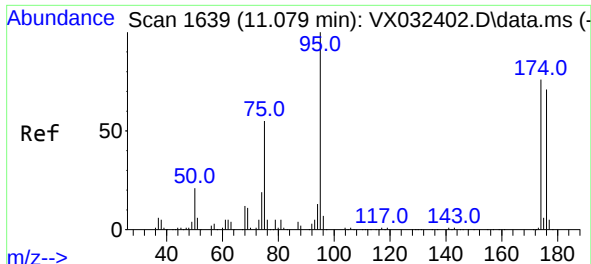
Tgt Ion: 43 Resp: 838

Ion Ratio Lower Upper

43 100

58 200.0 30.9 46.3#

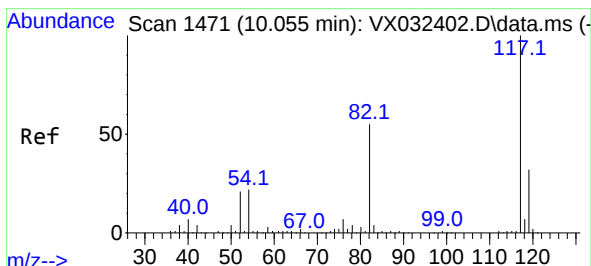
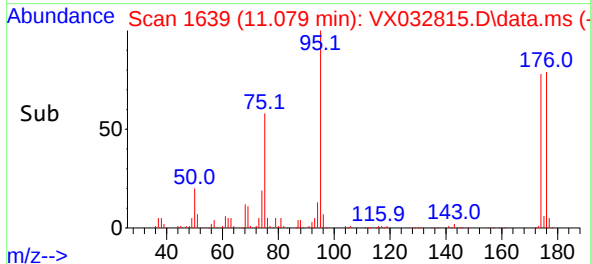
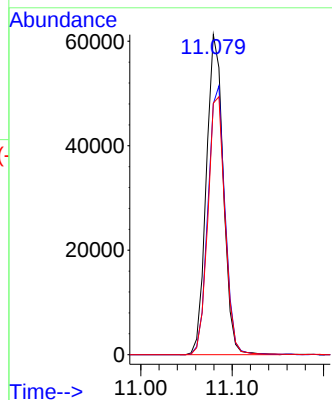
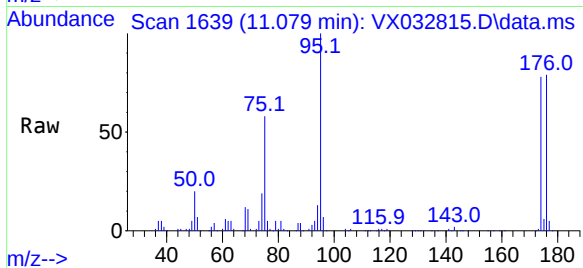




#62
4-Bromofluorobenzene
Concen: 47.961 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

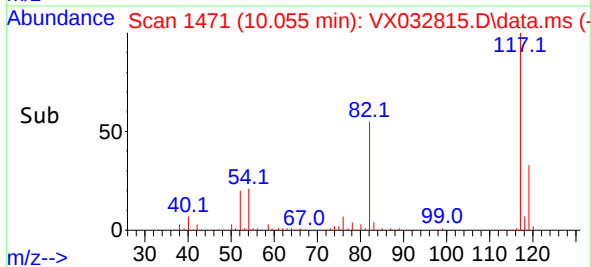
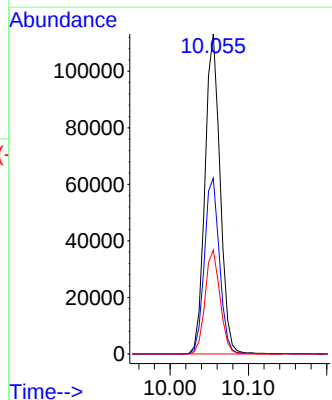
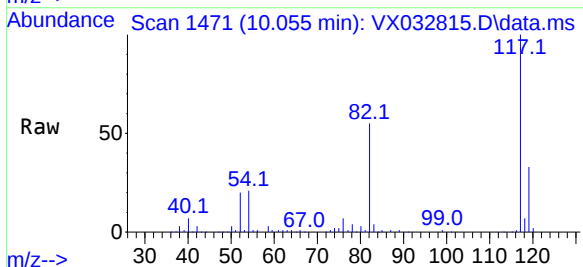
Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

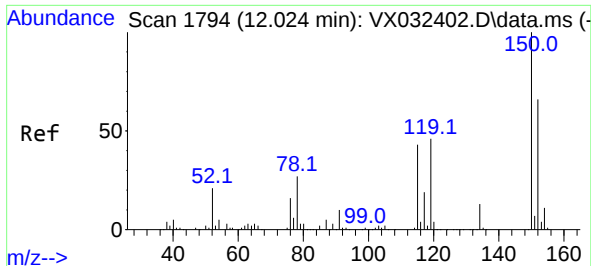
Tgt Ion: 95 Resp: 78795
Ion Ratio Lower Upper
95 100
174 84.3 0.0 164.0
176 81.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Tgt Ion: 117 Resp: 151731
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.5 25.7 38.5

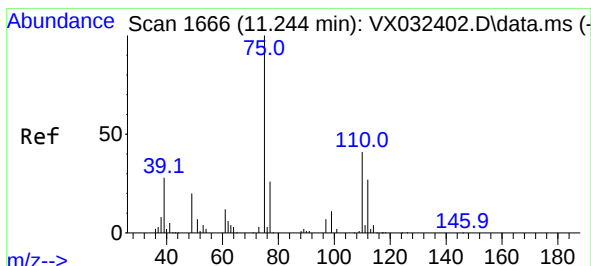
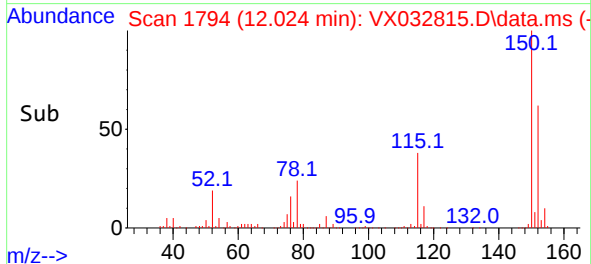
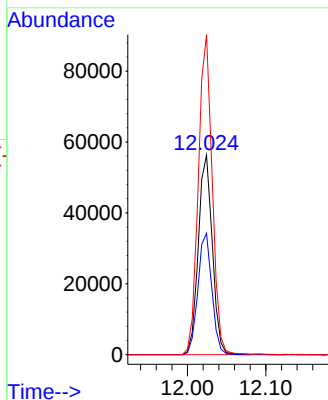
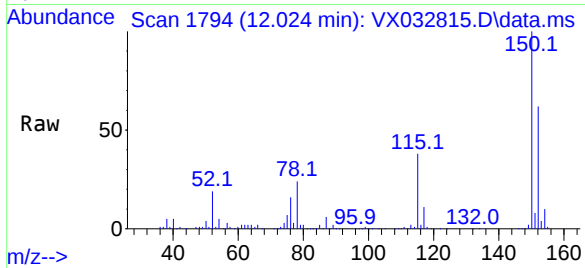




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

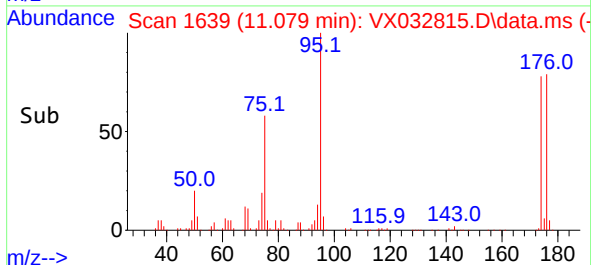
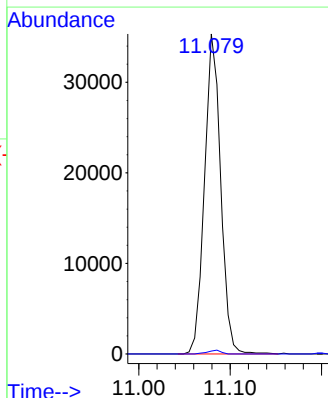
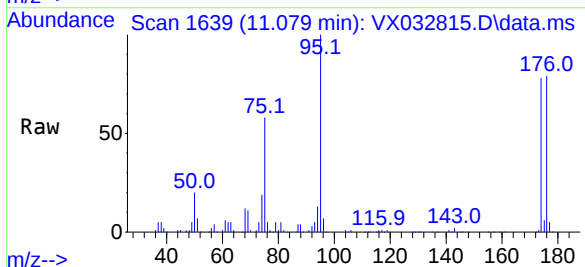
Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

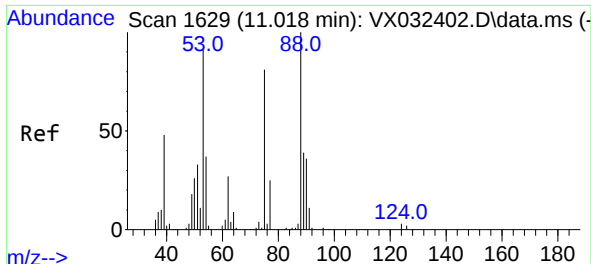
Tgt Ion:152 Resp: 70291
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 158.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.697 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Tgt Ion: 75 Resp: 43313
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#

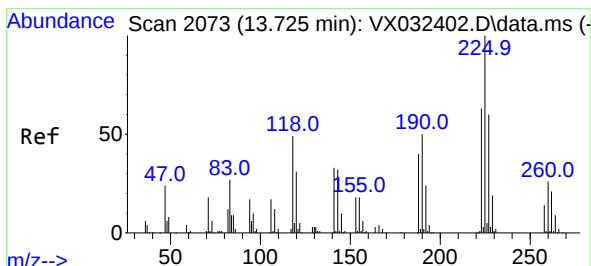
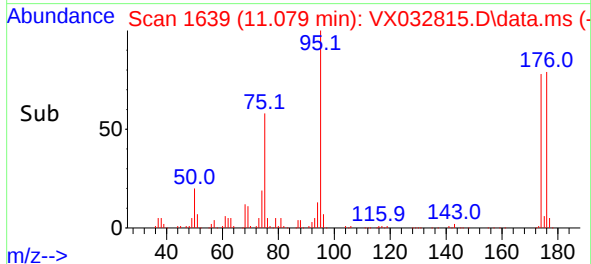
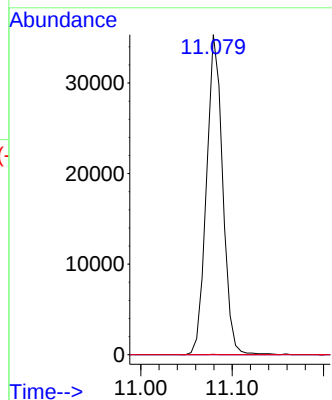
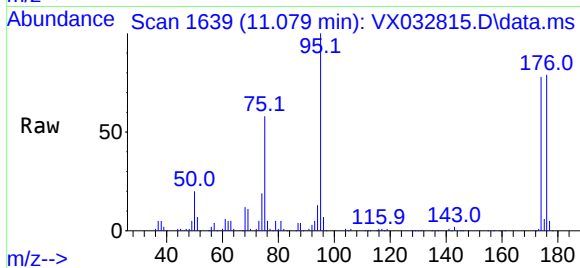




#81
trans-1,4-Dichloro-2-butene
Concen: 88.133 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Instrument :
MSVOA_X
ClientSampleId :
20BR-20221109DL

Tgt Ion: 75 Resp: 43313
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#94
Hexachlorobutadiene
Concen: 0.369 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX032815.D
Acq: 15 Nov 2022 12:21

Tgt Ion: 225 Resp: 255
Ion Ratio Lower Upper
225 100
223 53.3 31.9 95.9
227 78.0 31.9 95.5

