

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029099.D
 Acq On : 01 Jun 2022 01:06
 Operator : JC/MD
 Sample : N3022-03 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20220525

Quant Time: Jun 01 05:04:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

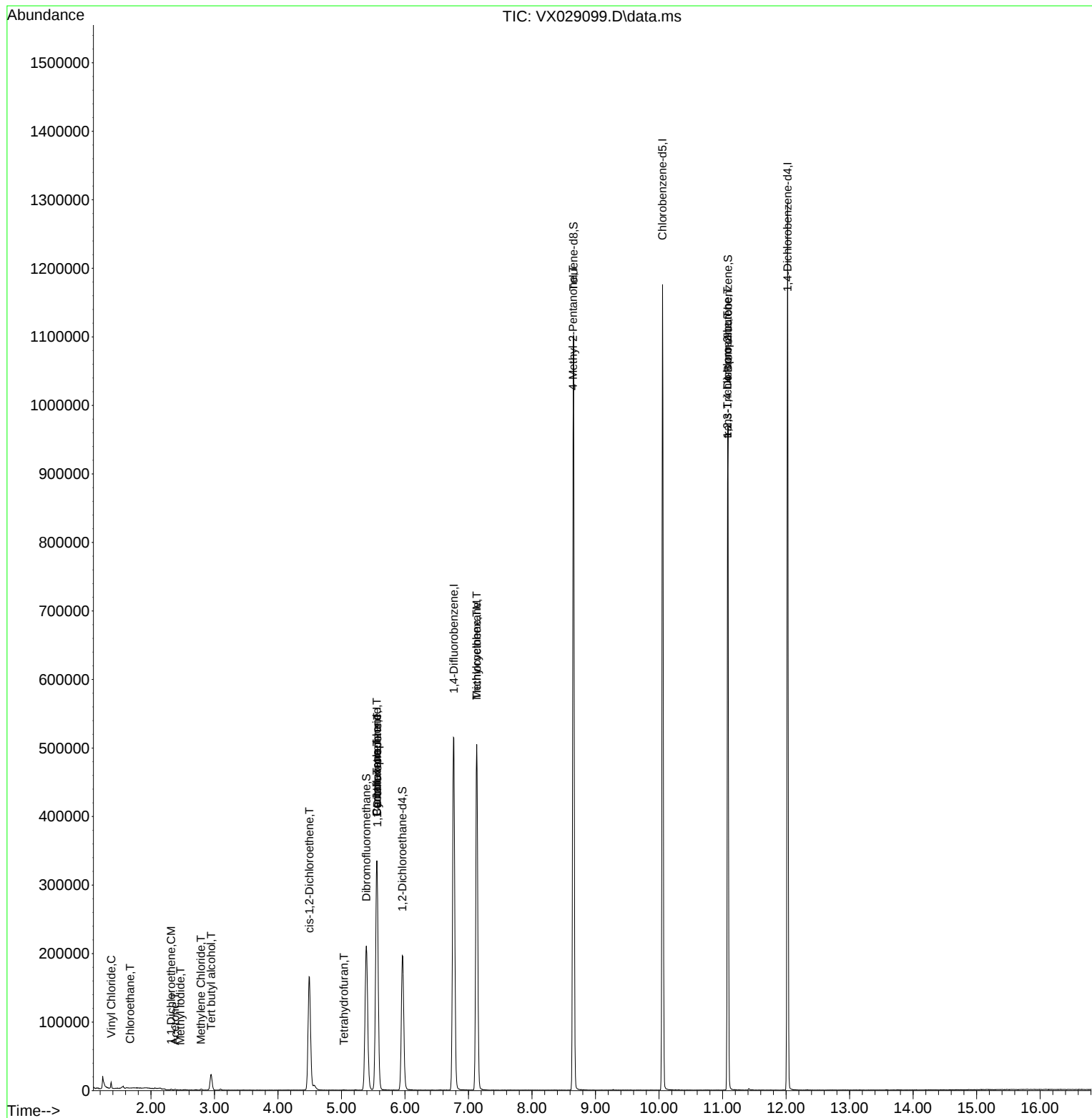
Internal Standards						
1) Pentafluorobenzene	5.556	168	335553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	573957	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	563287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	271746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193364	51.103	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.200%
35) Dibromofluoromethane	5.391	113	190304	49.918	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.840%
50) Toluene-d8	8.653	98	675639	48.456	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.920%
62) 4-Bromofluorobenzene	11.085	95	264292	49.035	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.080%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	5396	1.607	ug/l #	85
5) Bromomethane	1.611	94	616	Below Cal		87
6) Chloroethane	1.672	64	476	1.562	ug/l #	86
10) Methyl Iodide	2.465	142	248	4.287	ug/l #	54
11) Tert butyl alcohol	2.946	59	13032	14.867	ug/l #	77
12) 1,1-Dichloroethene	2.319	96	626	0.207	ug/l #	40
16) Acetone	2.380	43	1154	0.775	ug/l #	85
20) Methylene Chloride	2.788	84	746	0.215	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	115387	28.358	ug/l	84
29) Tetrahydrofuran	5.038	42	327	0.212	ug/l #	61
31) Cyclohexane	5.556	56	5282	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22615	4.610	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32066	5.720	ug/l #	16
39) Methylcyclohexane	7.129	83	2201	0.363	ug/l #	1
44) Trichloroethene	7.129	130	211376	49.063	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	2188	0.442	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	124058	22.520	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	124058	66.070	ug/l #	15

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

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Quant Time: Jun 01 05:04:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
Response via : Initial Calibration

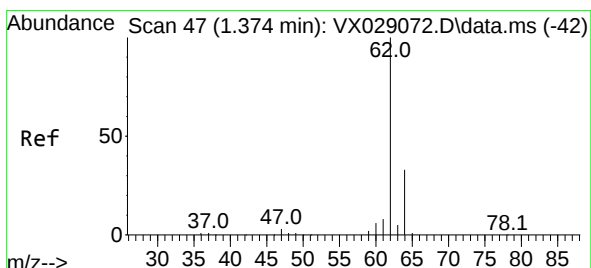
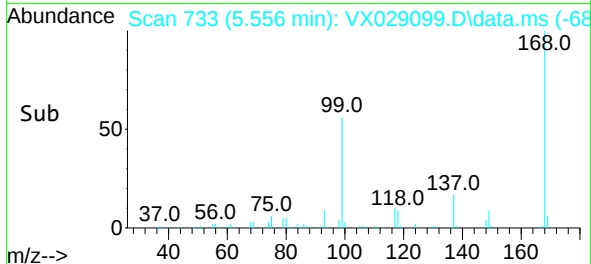
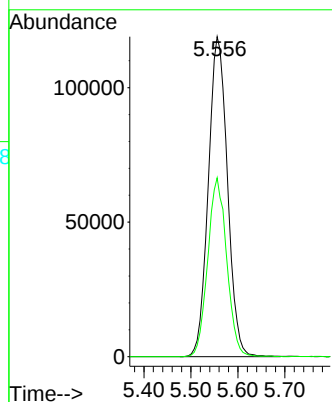
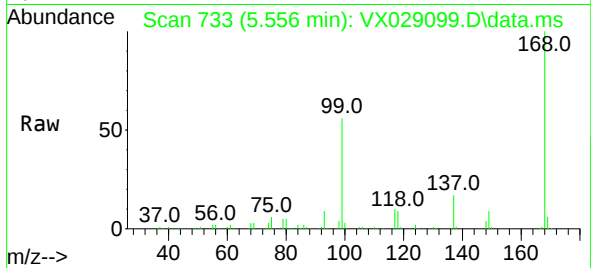




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

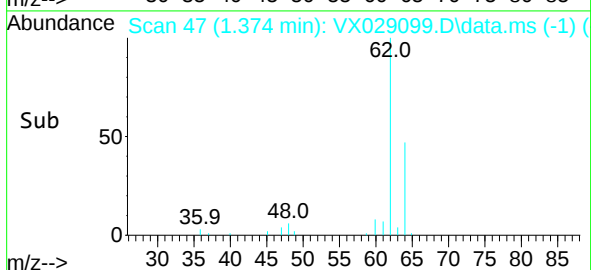
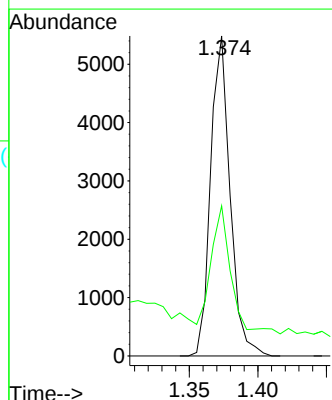
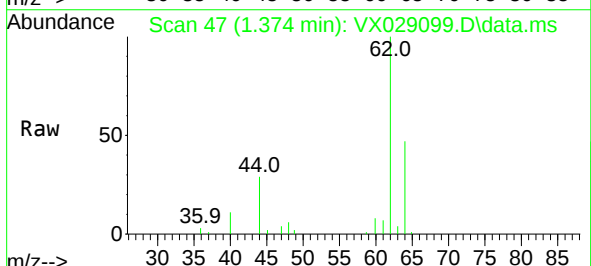
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

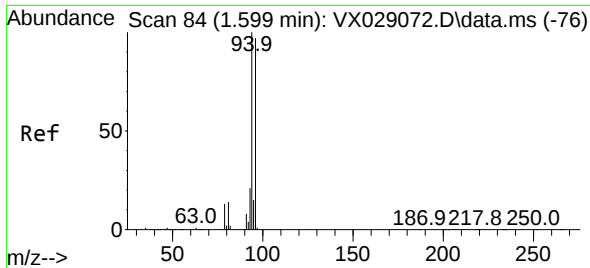
Tgt Ion:168 Resp: 335553
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#4
Vinyl Chloride
Concen: 1.607 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion: 62 Resp: 5396
Ion Ratio Lower Upper
62 100
64 40.0 25.5 38.3#

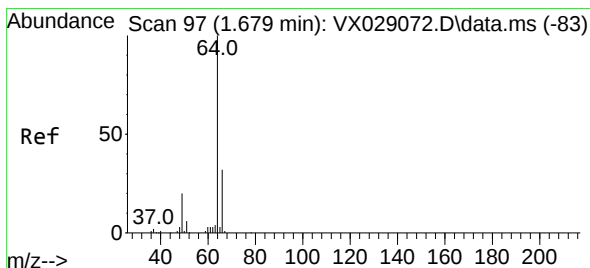
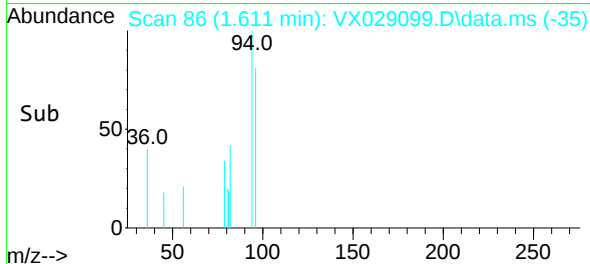
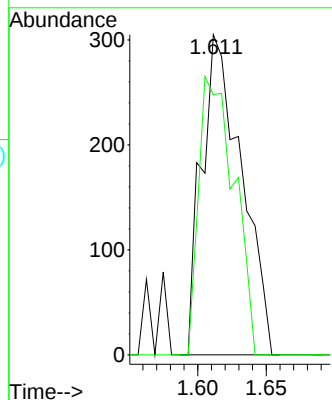
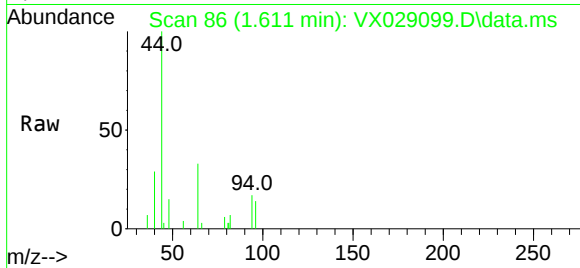




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

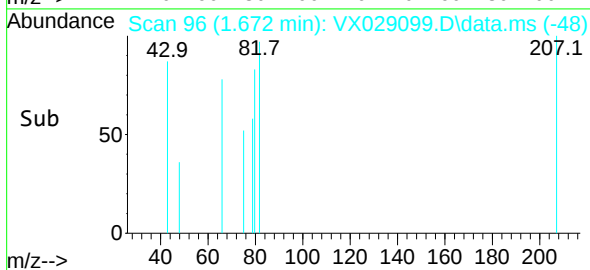
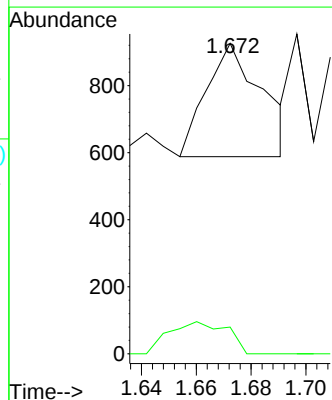
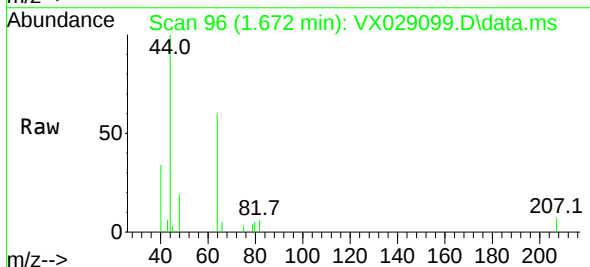
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

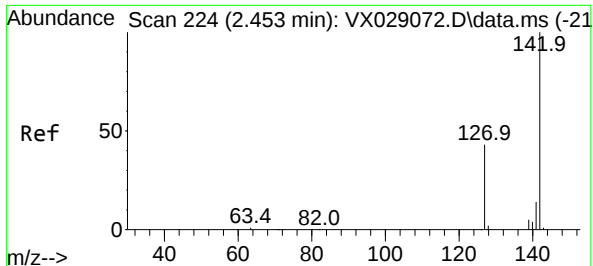
Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 81.3 75.3 112.9



#6
Chloroethane
Concen: 1.562 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

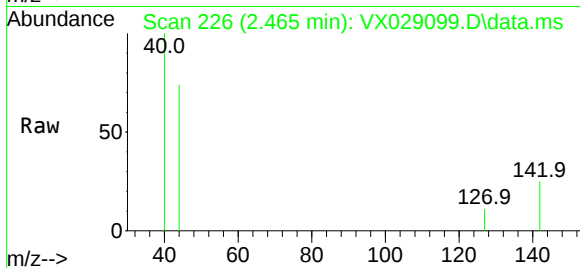
Tgt Ion: 64 Resp: 476
Ion Ratio Lower Upper
64 100
66 23.7 25.3 37.9#



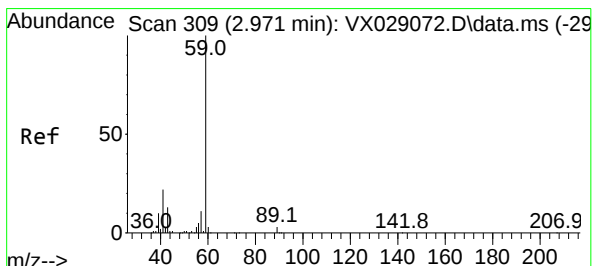
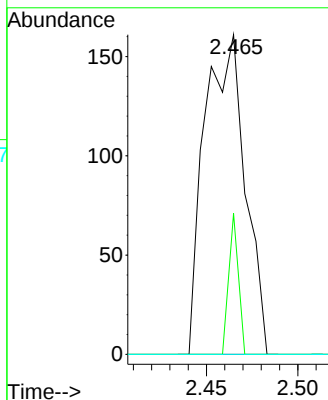
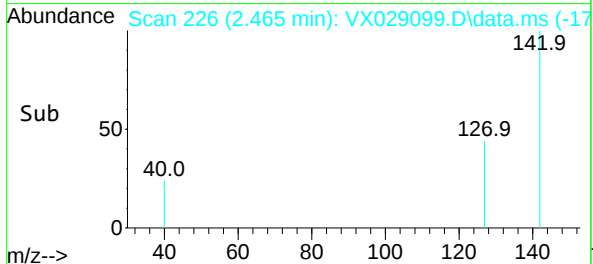


#10
Methyl Iodide
Concen: 4.287 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

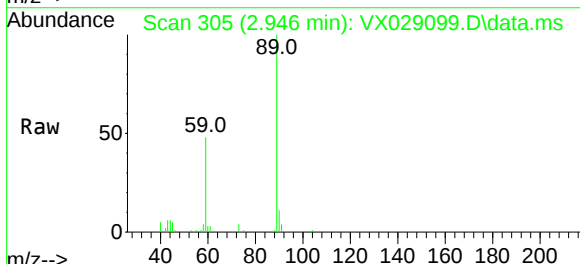
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525



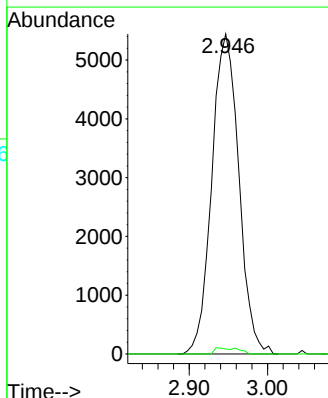
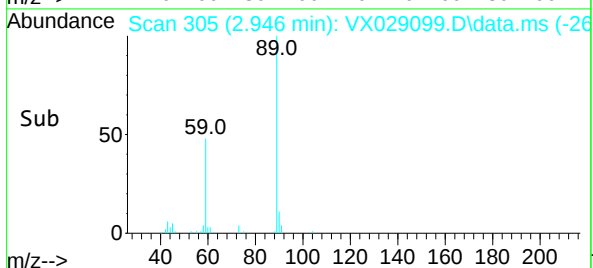
Tgt Ion:142 Resp: 248
Ion Ratio Lower Upper
142 100
127 10.5 33.9 50.9#
141 0.0 11.4 17.2#

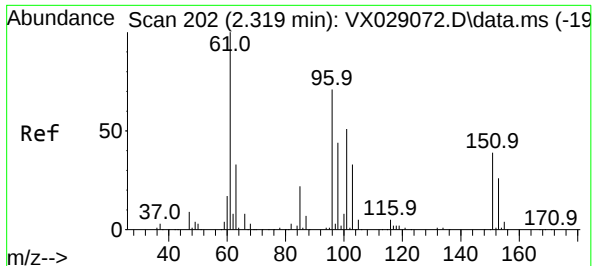


#11
Tert butyl alcohol
Concen: 14.867 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06



Tgt Ion: 59 Resp: 13032
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.207 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX029099.D

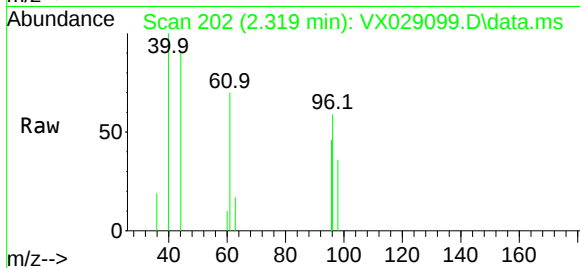
Acq: 01 Jun 2022 01:06

Instrument :

MSVOA_X

ClientSampleId :

25BR-20220525



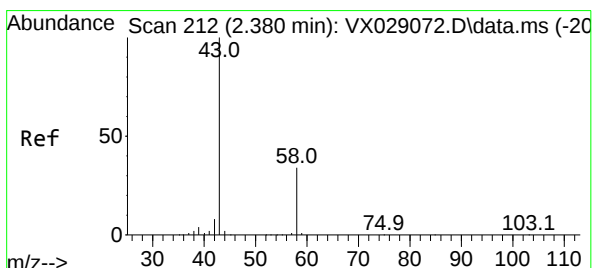
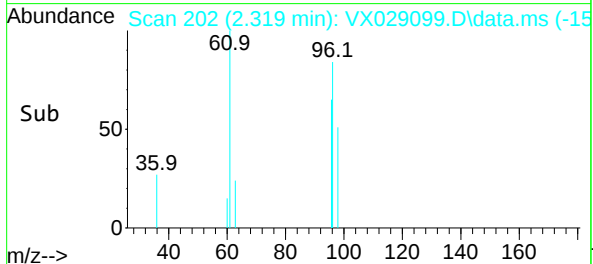
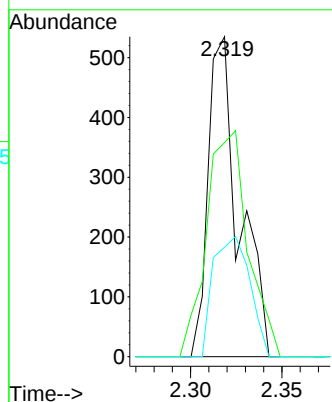
Tgt Ion: 96 Resp: 626

Ion Ratio Lower Upper

96 100

61 66.9 124.6 187.0#

98 34.2 51.0 76.4#



#16

Acetone

Concen: 0.775 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX029099.D

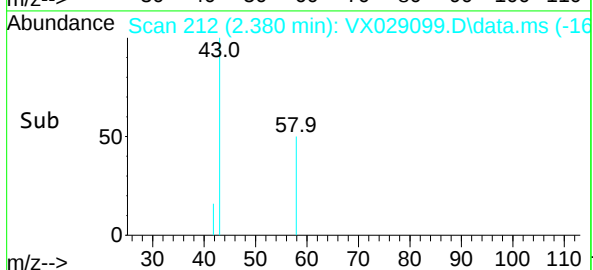
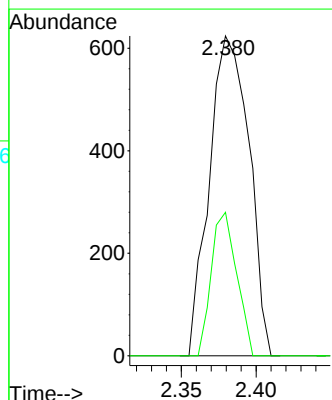
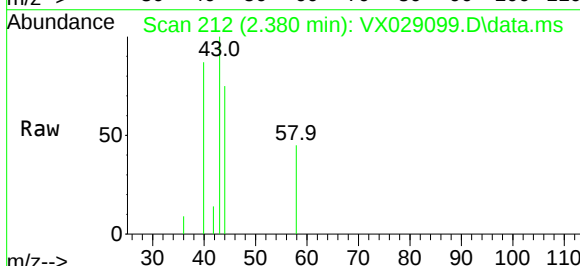
Acq: 01 Jun 2022 01:06

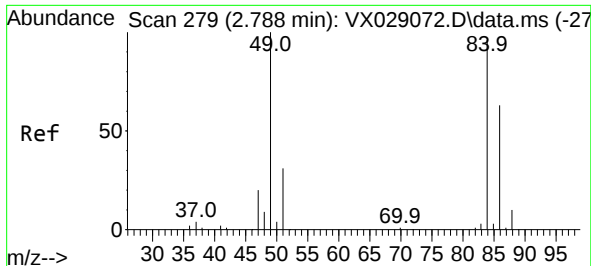
Tgt Ion: 43 Resp: 1154

Ion Ratio Lower Upper

43 100

58 44.9 28.8 43.2#





#20

Methylene Chloride

Concen: 0.215 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029099.D

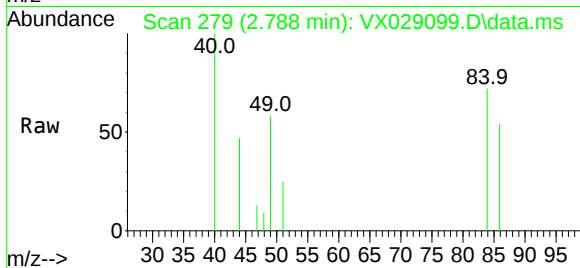
Acq: 01 Jun 2022 01:06

Instrument :

MSVOA_X

ClientSampleId :

25BR-20220525



Tgt Ion: 84 Resp: 746

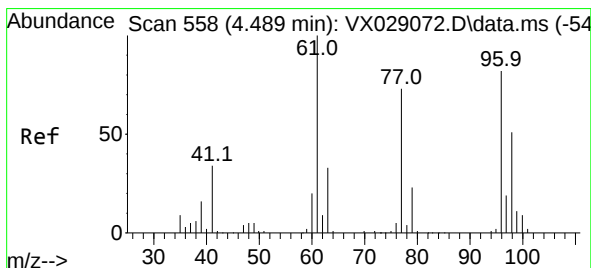
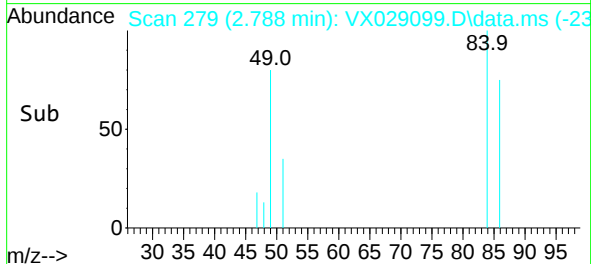
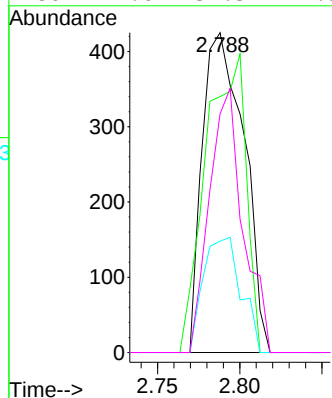
Ion Ratio Lower Upper

84 100

49 80.0 85.5 128.3#

51 34.8 26.6 39.8

86 74.6 51.5 77.3



#27

cis-1,2-Dichloroethene

Concen: 28.358 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX029099.D

Acq: 01 Jun 2022 01:06

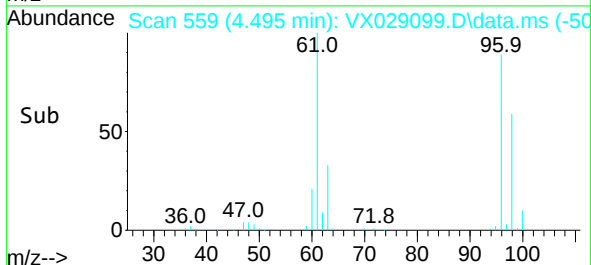
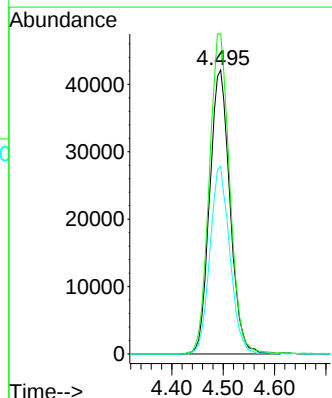
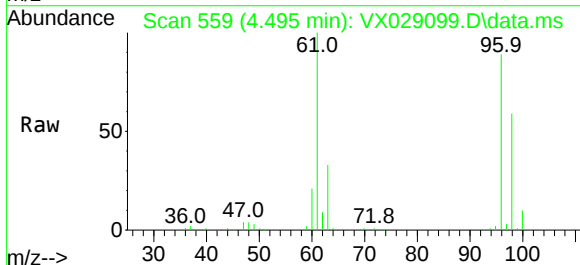
Tgt Ion: 96 Resp: 115387

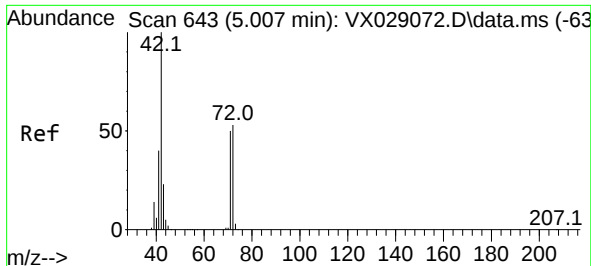
Ion Ratio Lower Upper

96 100

61 113.7 0.0 283.8

98 64.7 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.038 min Scan# 643

Delta R.T. 0.031 min

Lab File: VX029099.D

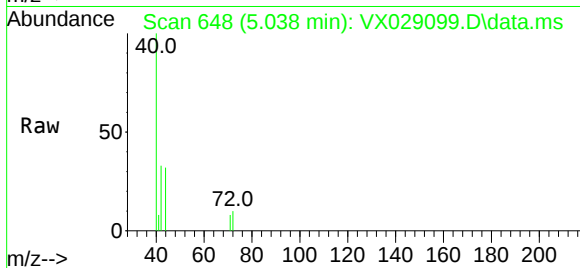
Acq: 01 Jun 2022 01:06

Instrument :

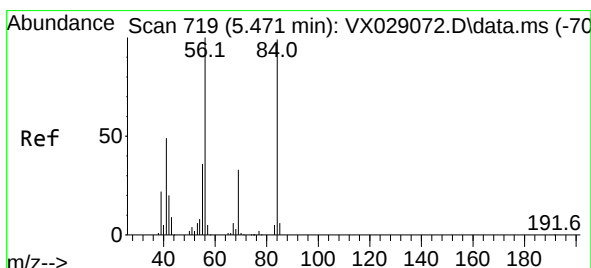
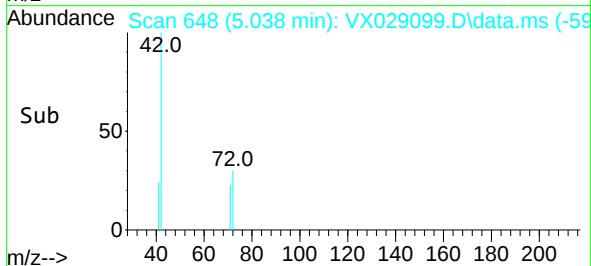
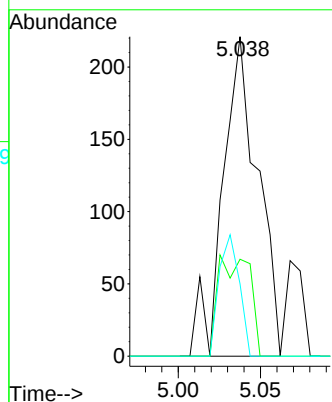
MSVOA_X

ClientSampleId :

25BR-20220525



Tgt Ion: 42	Resp: 327
Ion Ratio	Lower Upper
42	100
72	28.4 44.1 66.1#
71	22.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.074 ug/l

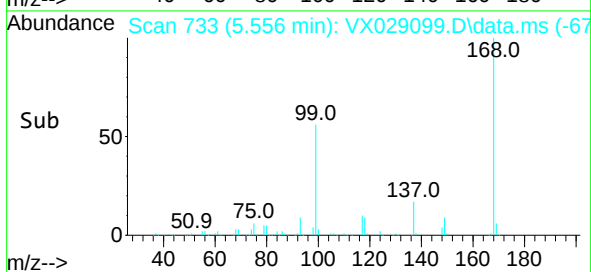
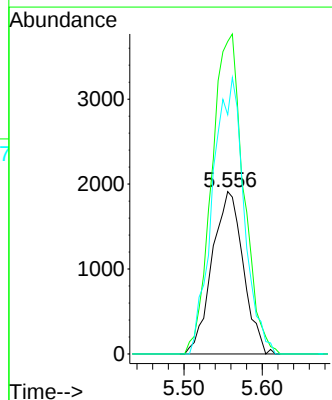
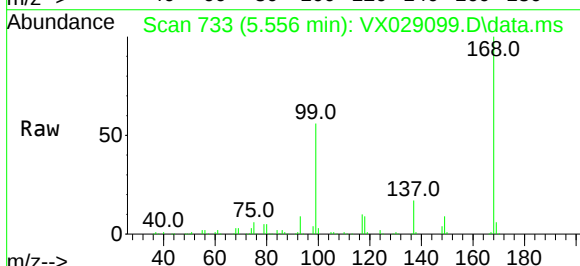
RT: 5.556 min Scan# 733

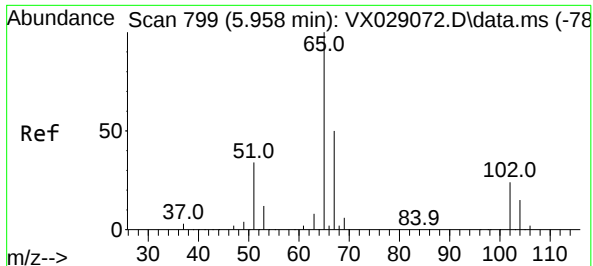
Delta R.T. 0.085 min

Lab File: VX029099.D

Acq: 01 Jun 2022 01:06

Tgt Ion: 56	Resp: 5282
Ion Ratio	Lower Upper
56	100
69	192.3 26.7 40.1#
84	147.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.103 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029099.D

Acq: 01 Jun 2022 01:06

Instrument :

MSVOA_X

ClientSampleId :

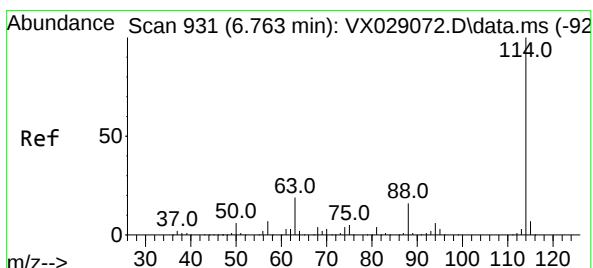
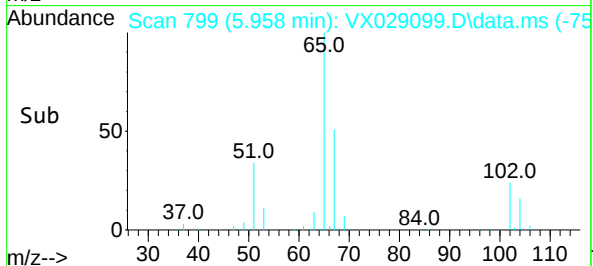
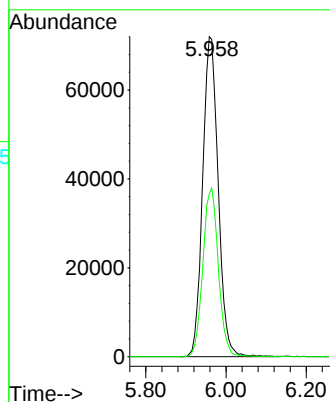
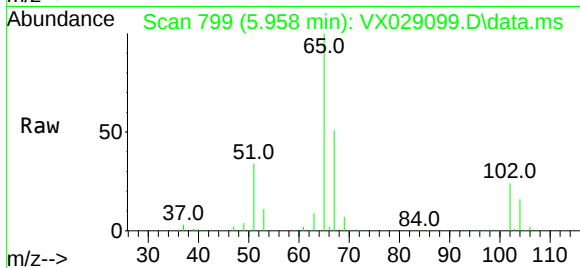
25BR-20220525

Tgt Ion: 65 Resp: 193364

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029099.D

Acq: 01 Jun 2022 01:06

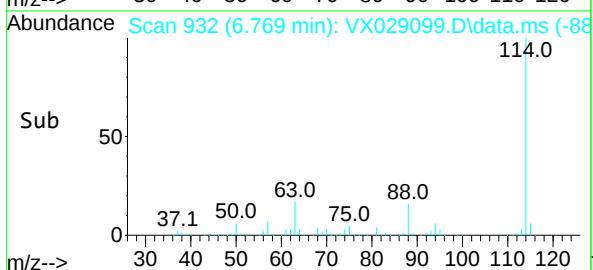
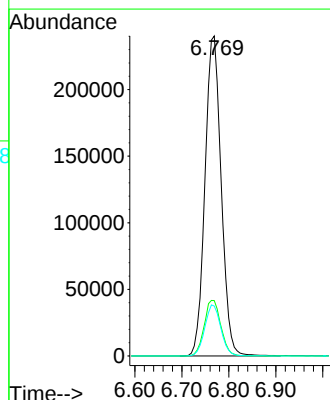
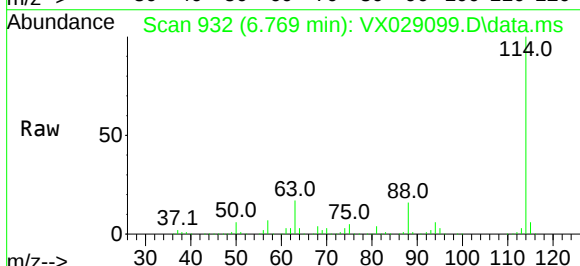
Tgt Ion: 114 Resp: 573957

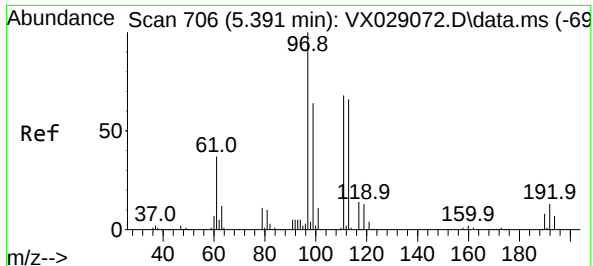
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.8

88 15.6 0.0 32.4

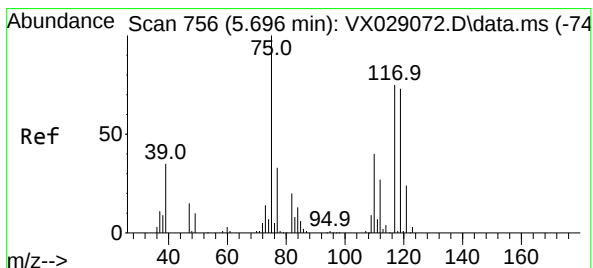
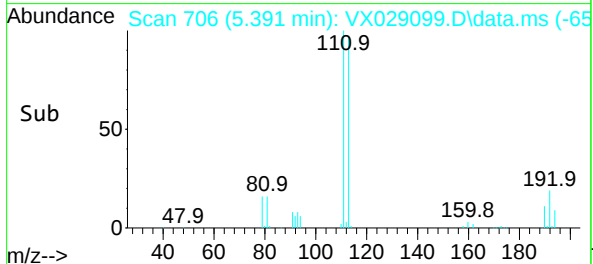
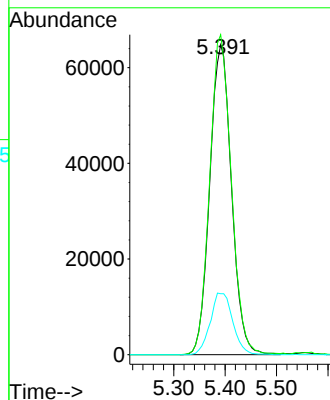
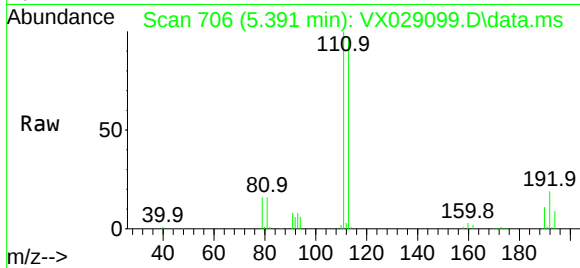




#35
Dibromofluoromethane
Concen: 49.918 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

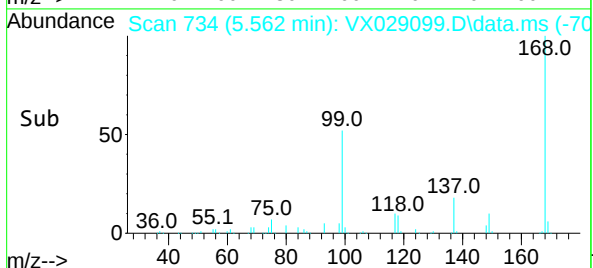
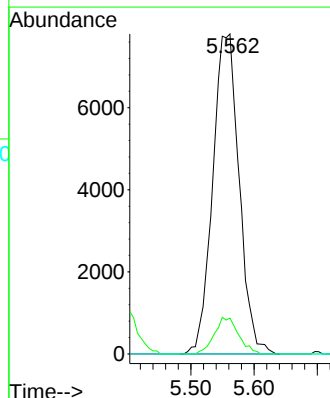
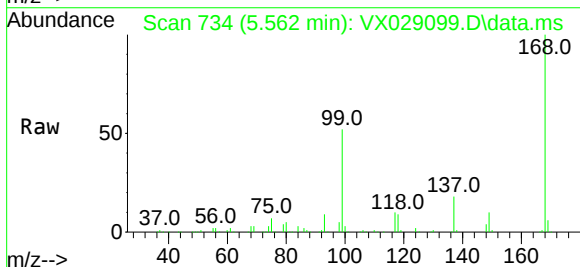
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

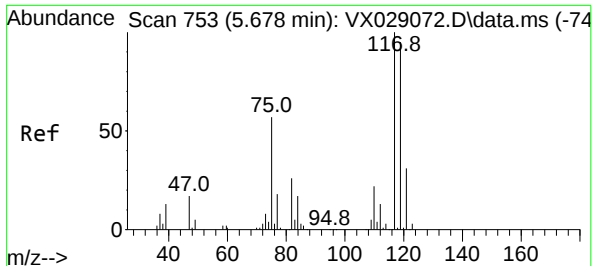
Tgt Ion:113 Resp: 190304
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.610 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion: 75 Resp: 22615
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#

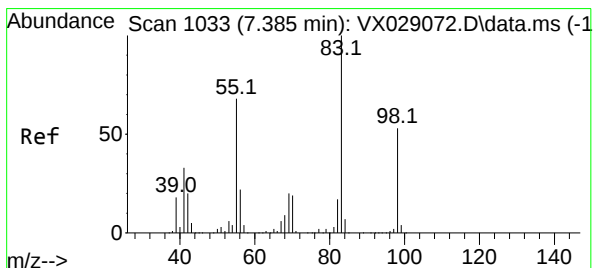
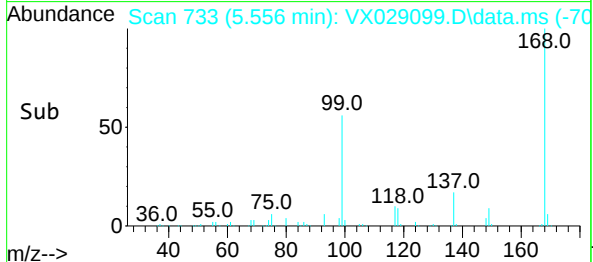
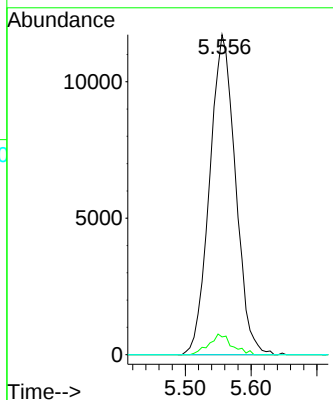
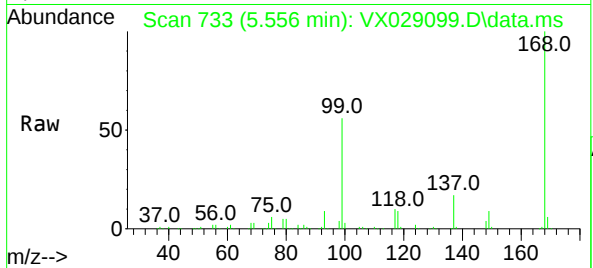




#38
Carbon Tetrachloride
Concen: 5.720 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

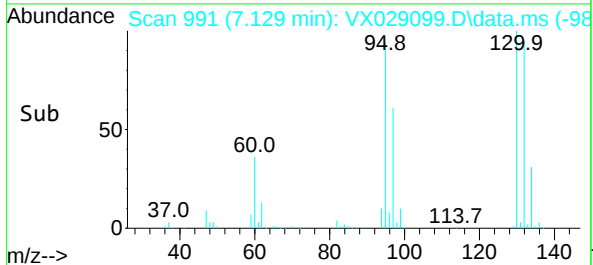
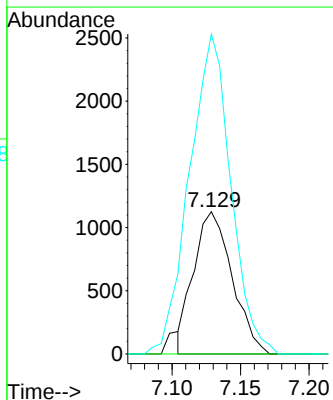
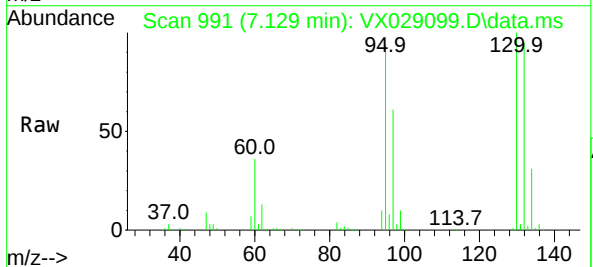
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

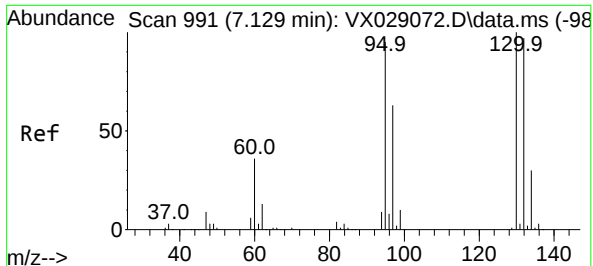
Tgt Ion:117 Resp: 32066
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.363 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion: 83 Resp: 2201
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 218.0 37.4 56.2#

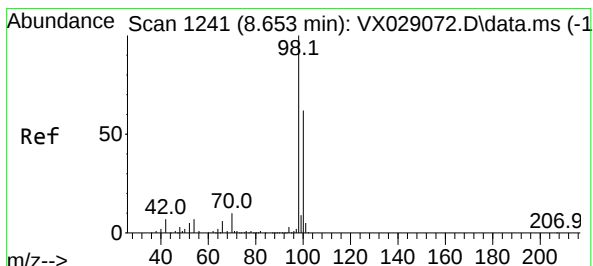
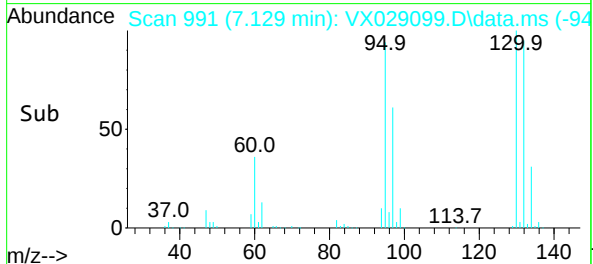
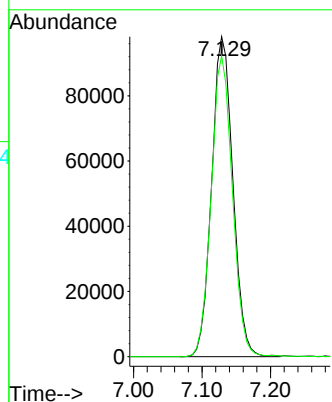
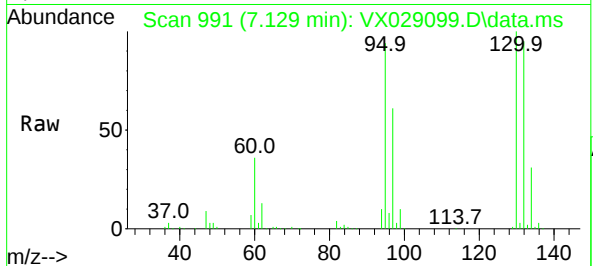




#44
Trichloroethene
Concen: 49.063 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

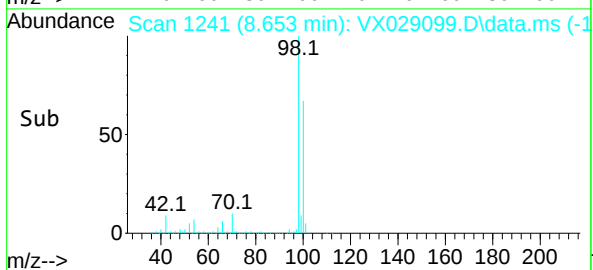
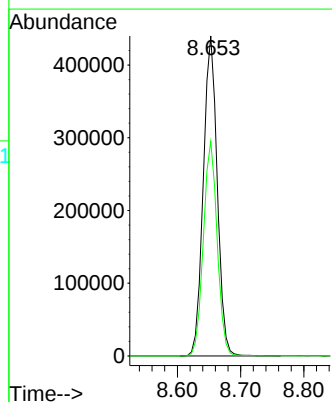
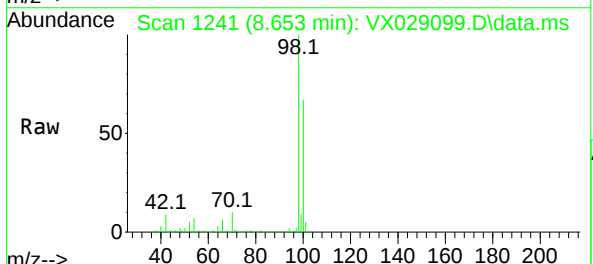
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

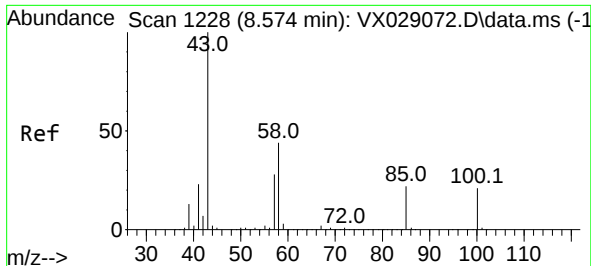
Tgt Ion:130 Resp: 211376
Ion Ratio Lower Upper
130 100
95 94.0 0.0 188.8



#50
Toluene-d8
Concen: 48.456 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion: 98 Resp: 675639
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8

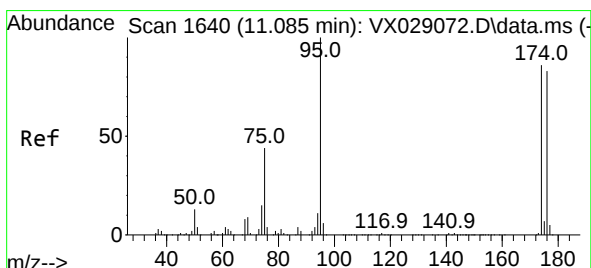
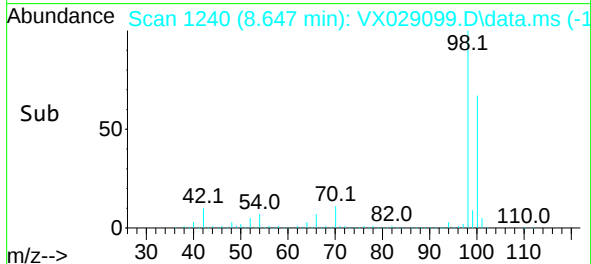
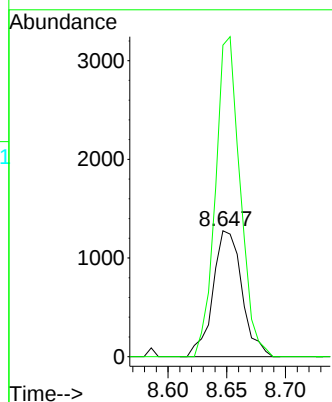
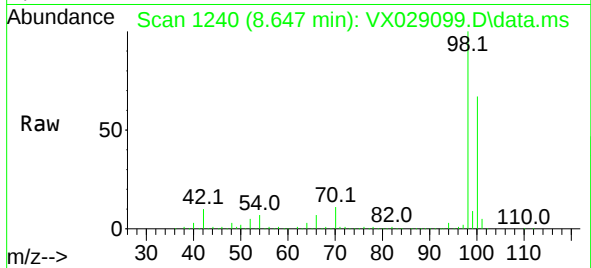




#51
4-Methyl-2-Pentanone
Concen: 0.442 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

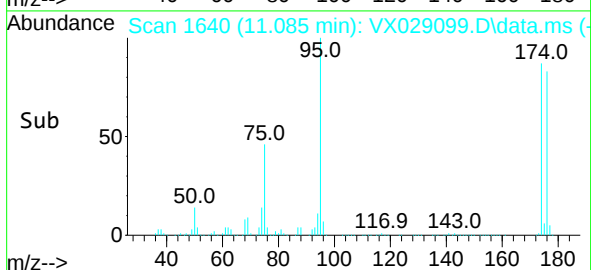
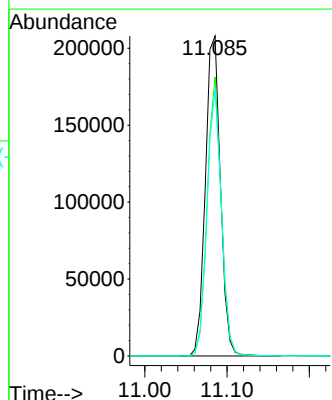
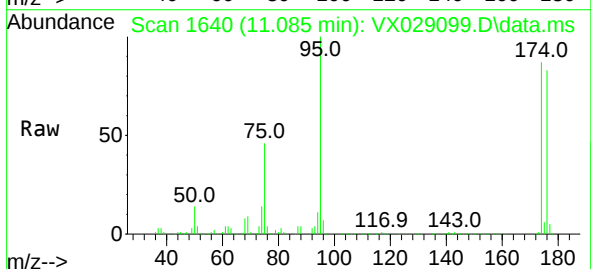
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

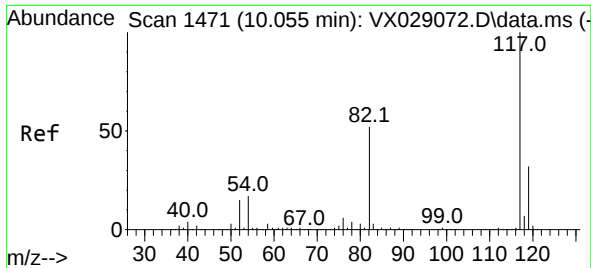
Tgt Ion: 43 Resp: 2188
Ion Ratio Lower Upper
43 100
58 216.6 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 49.035 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion: 95 Resp: 264292
Ion Ratio Lower Upper
95 100
174 82.4 0.0 163.0
176 79.7 0.0 155.0

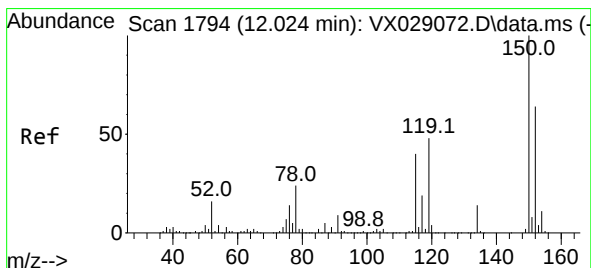
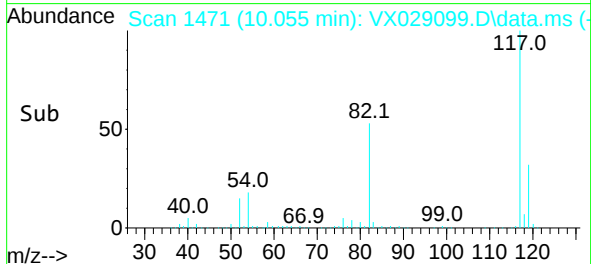
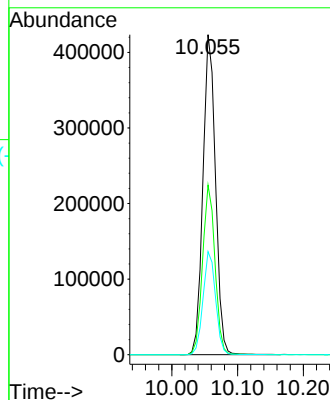
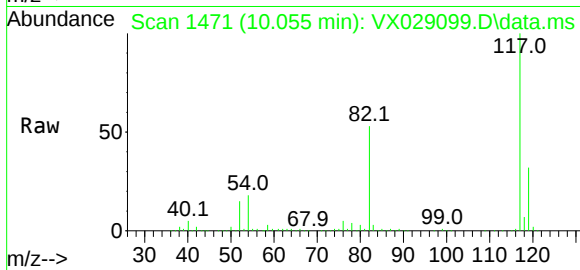




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

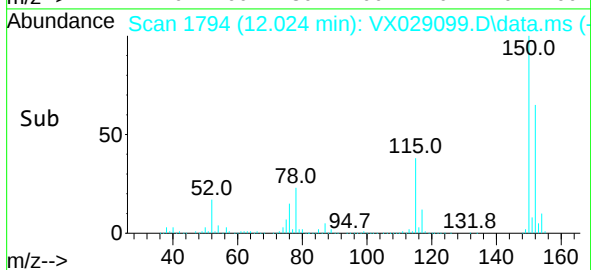
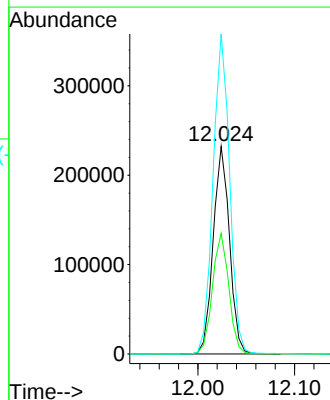
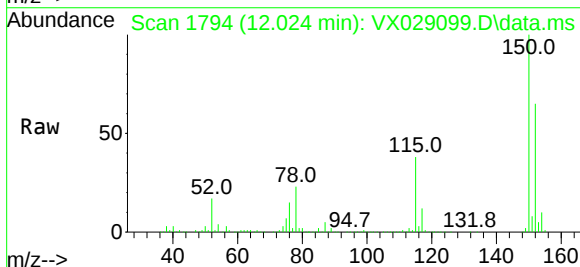
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

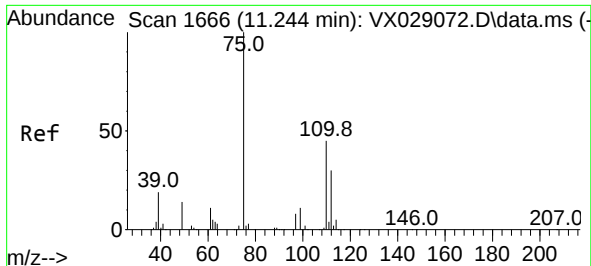
Tgt Ion:117 Resp: 563287
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion:152 Resp: 271746
Ion Ratio Lower Upper
152 100
115 58.5 37.5 112.7
150 157.1 0.0 338.2

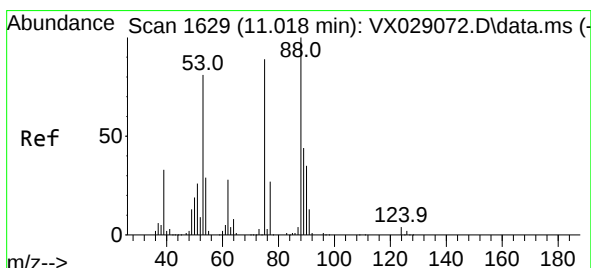
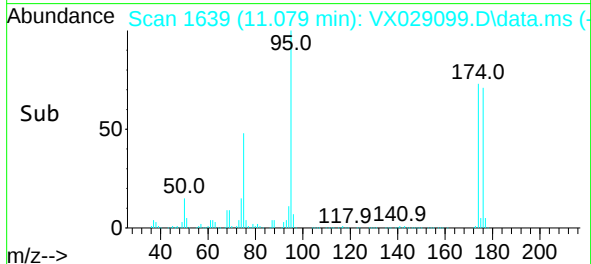
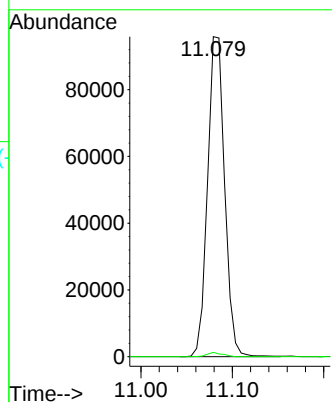
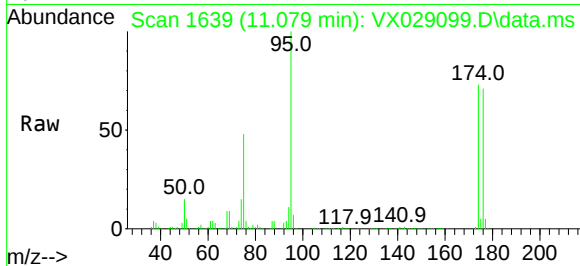




#76
1,2,3-Trichloropropane
Concen: 22.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

Tgt Ion: 75 Resp: 124058
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029099.D
Acq: 01 Jun 2022 01:06

Tgt Ion: 75 Resp: 124058
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

