

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029051.D
 Acq On : 28 May 2022 02:52
 Operator : JC/MD
 Sample : N3022-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20220525

Quant Time: May 28 08:37:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

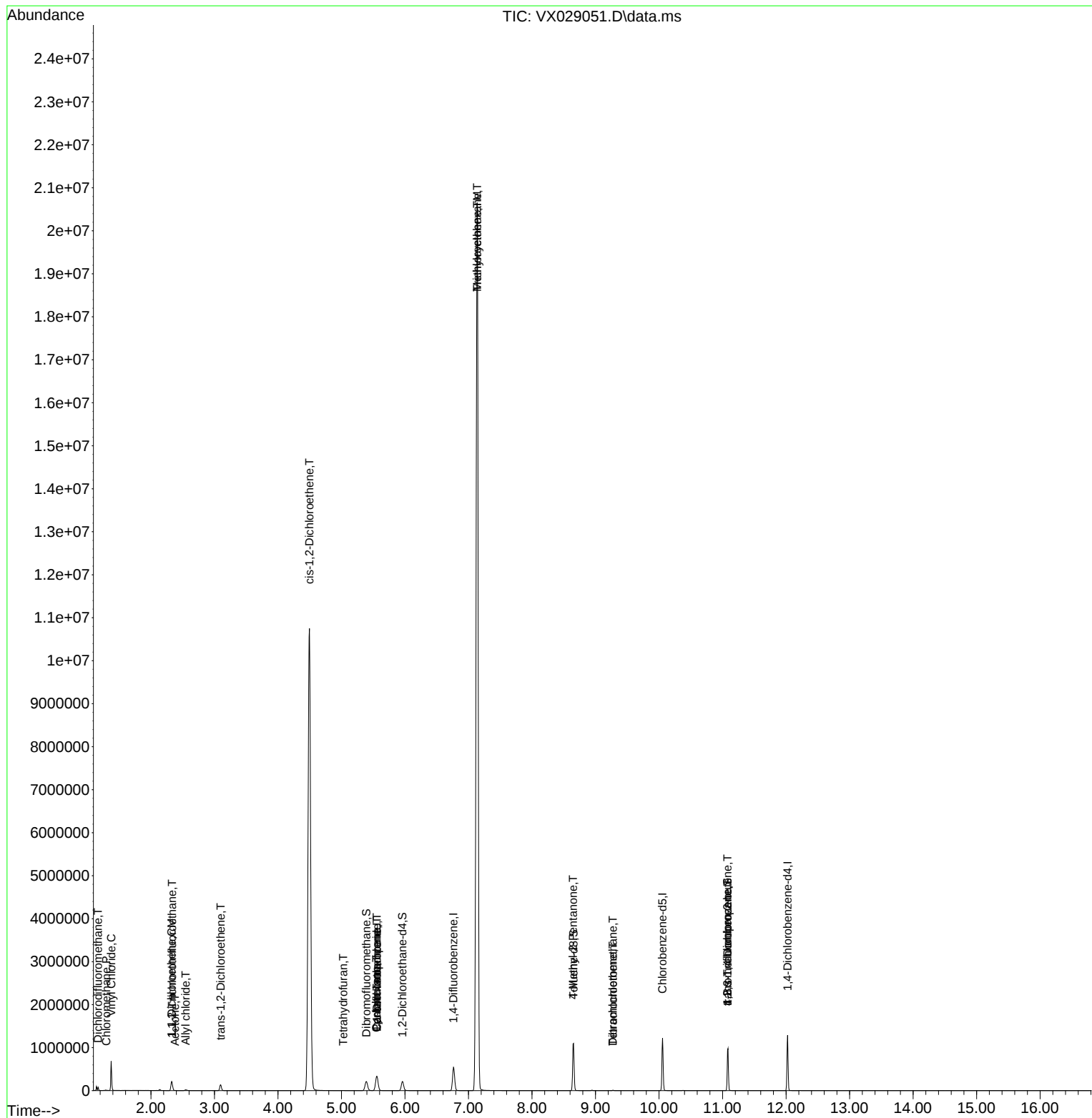
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	323377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	577867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	561797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	266661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	209099	47.171	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.340%
35) Dibromofluoromethane	5.391	113	191490	50.577	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.160%
50) Toluene-d8	8.653	98	687160	48.140	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.280%
62) 4-Bromofluorobenzene	11.079	95	271886	50.996	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35726	8.437	ug/l	99
3) Chloromethane	1.294	50	935	0.234	ug/l	89
4) Vinyl Chloride	1.374	62	401659	93.466	ug/l	99
5) Bromomethane	1.618	94	1232	Below Cal		84
9) 1,1,2-Trichlorotrifluo...	2.331	101	42654	11.830	ug/l	99
11) Tert butyl alcohol	2.947	59	1612	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	44350	13.252	ug/l	94
14) Allyl chloride	2.544	41	2727	0.508	ug/l #	61
16) Acetone	2.380	43	2769	1.456	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	59415	15.761	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	7395643	1679.705	ug/l	84
29) Tetrahydrofuran	5.025	42	1653	0.852	ug/l	90
31) Cyclohexane	5.550	56	5940	0.965	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	24045	4.228	ug/l #	49
38) Carbon Tetrachloride	5.556	117	33338	5.825	ug/l #	15
39) Methylcyclohexane	7.135	83	106413	16.317	ug/l #	1
44) Trichloroethene	7.135	130	8663915	1954.667	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2409	0.394	ug/l #	1
60) Dibromochloromethane	9.275	129	1957	0.468	ug/l #	9
64) Tetrachloroethene	9.275	164	1917	0.452	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	130841	20.952	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	130841	61.536	ug/l #	15

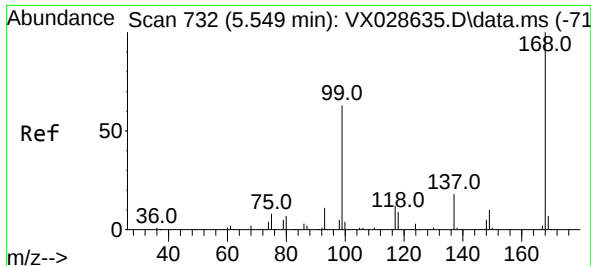
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

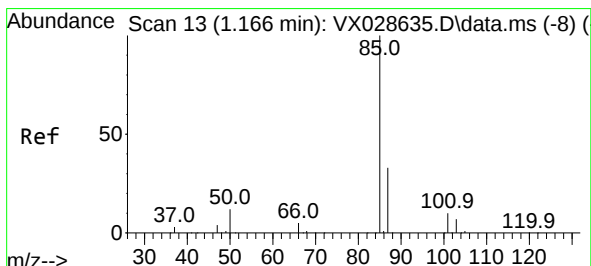
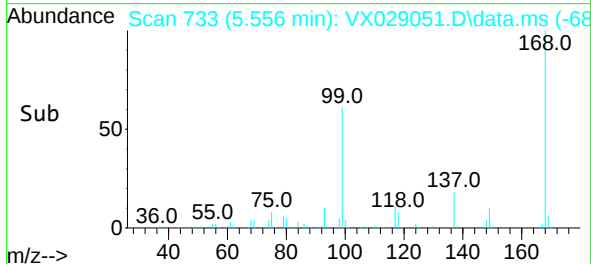
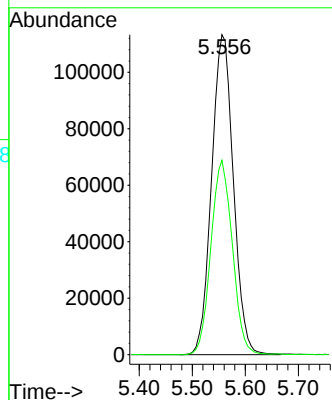
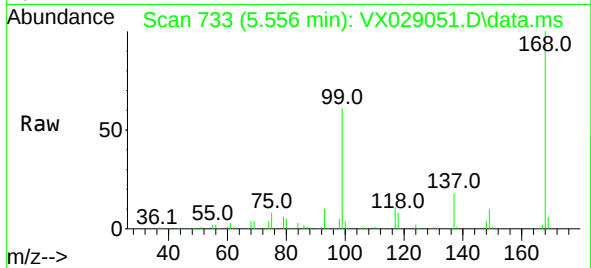




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

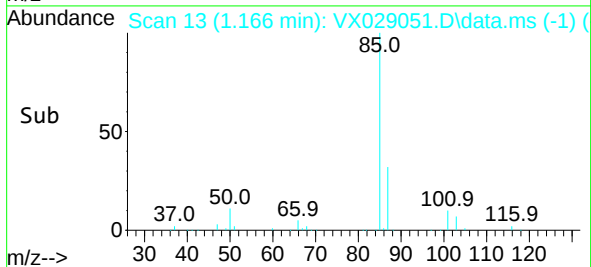
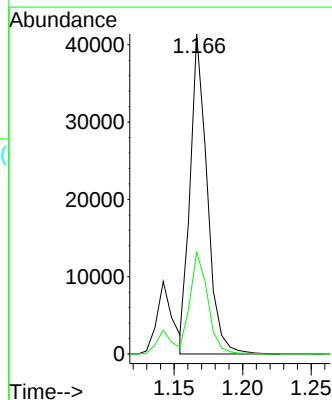
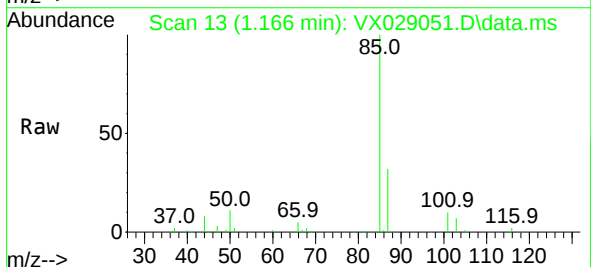
Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

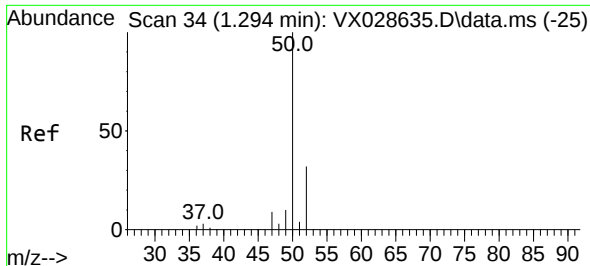
Tgt Ion:168 Resp: 323377
Ion Ratio Lower Upper
168 100
99 60.7 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 8.437 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion: 85 Resp: 35726
Ion Ratio Lower Upper
85 100
87 31.8 16.2 48.6

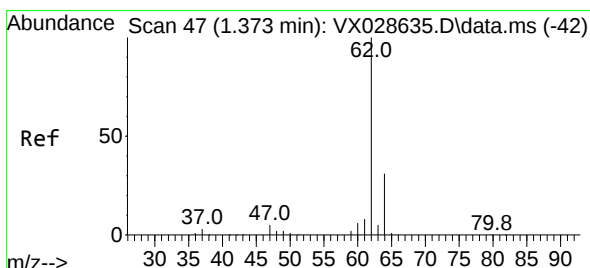
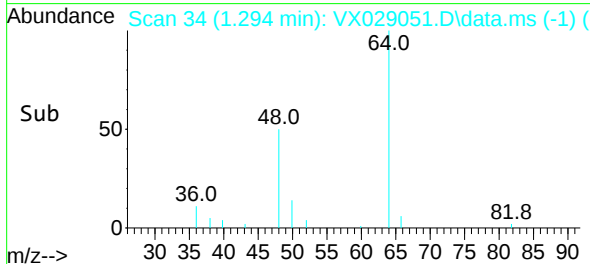
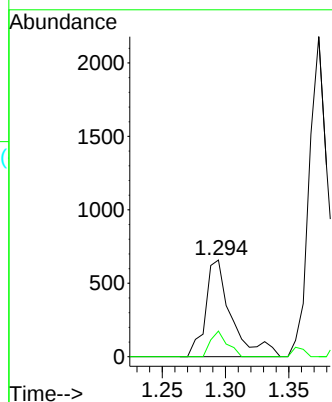
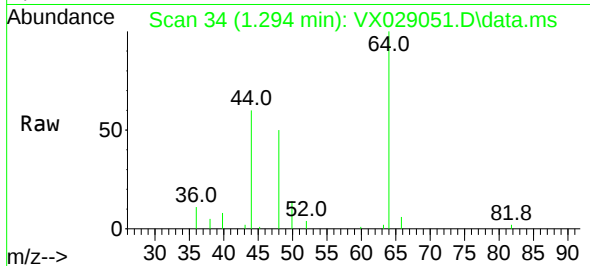




#3
Chloromethane
Concen: 0.234 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

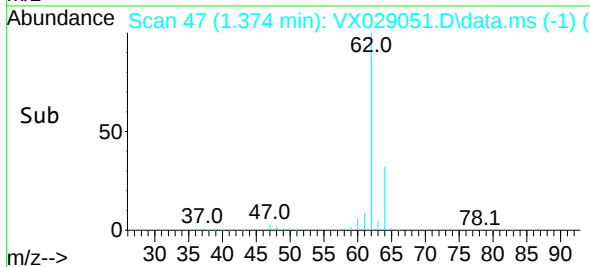
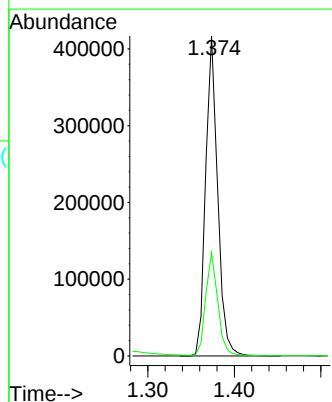
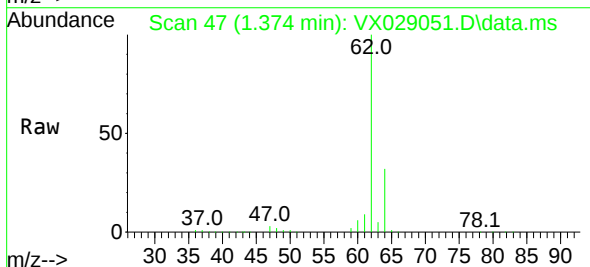
Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

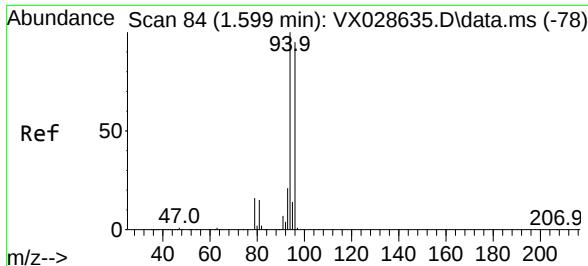
Tgt Ion: 50 Resp: 935
Ion Ratio Lower Upper
50 100
52 26.6 26.4 39.6



#4
Vinyl Chloride
Concen: 93.466 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion: 62 Resp: 401659
Ion Ratio Lower Upper
62 100
64 32.2 25.5 38.3

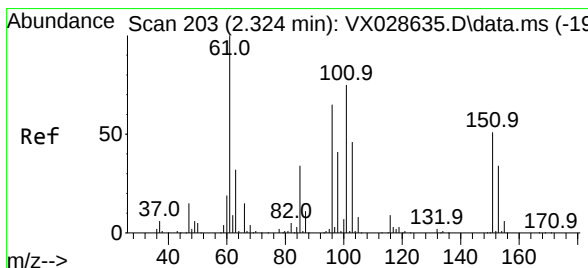
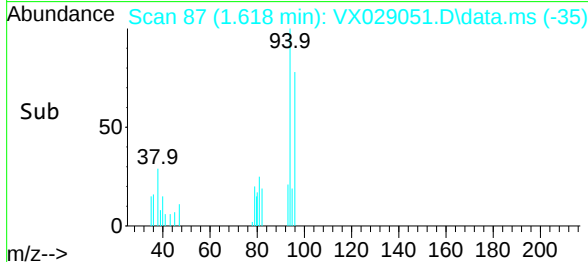
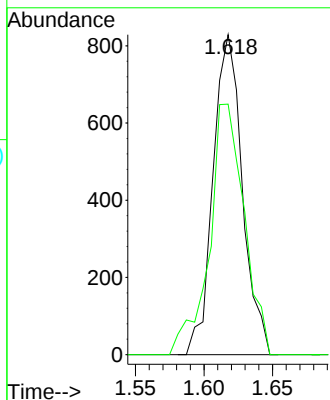
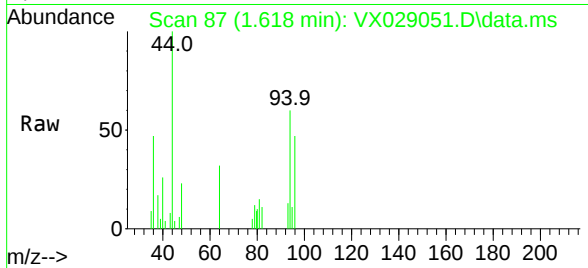




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

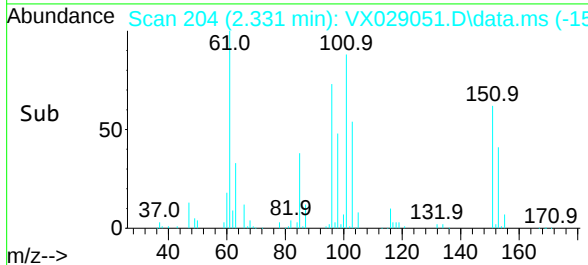
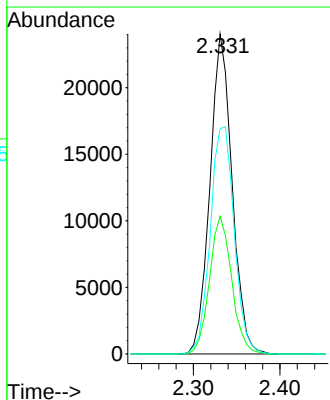
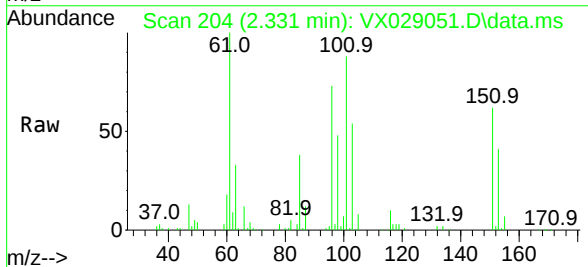
Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

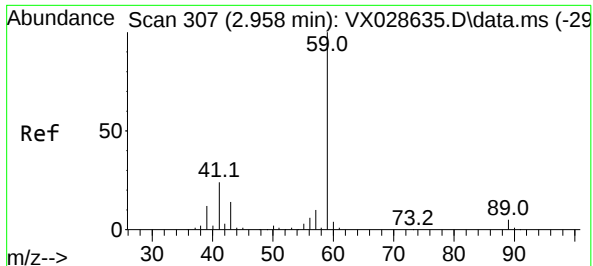
Tgt Ion: 94 Resp: 1232
Ion Ratio Lower Upper
94 100
96 78.3 75.3 112.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.830 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion:101 Resp: 42654
Ion Ratio Lower Upper
101 100
85 43.1 33.5 50.3
151 76.9 61.8 92.6





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.011 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

Instrument :

MSVOA_X

ClientSampleId :

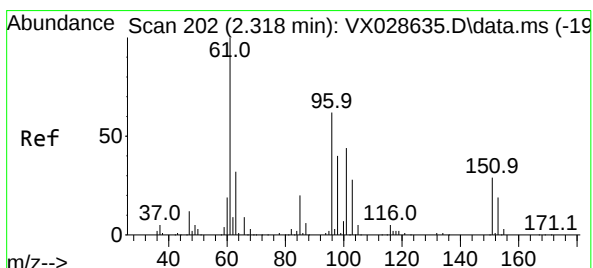
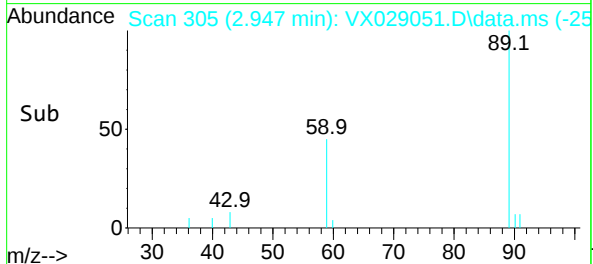
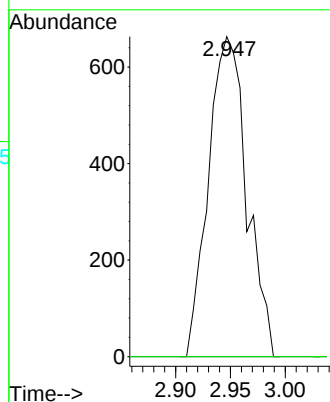
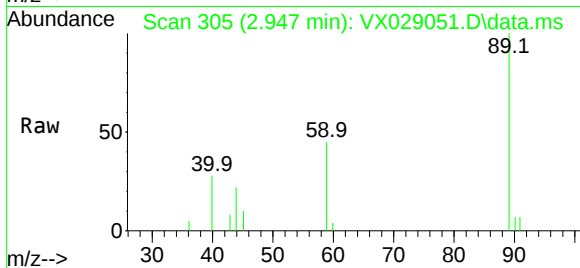
15BR-20220525

Tgt Ion: 59 Resp: 1612

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 13.252 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

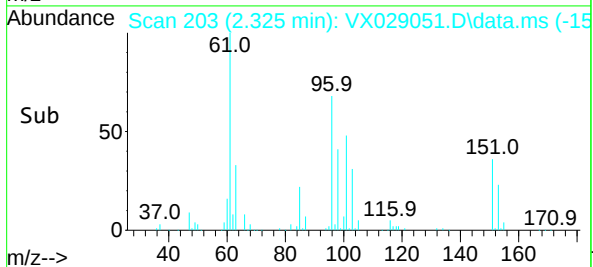
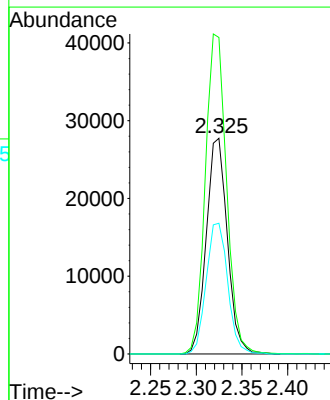
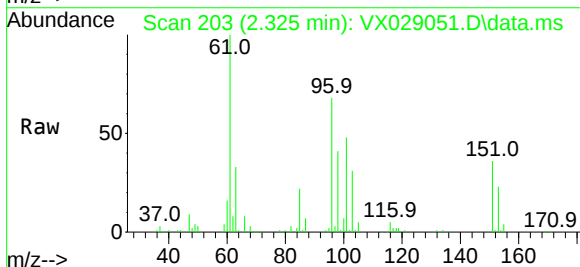
Tgt Ion: 96 Resp: 44350

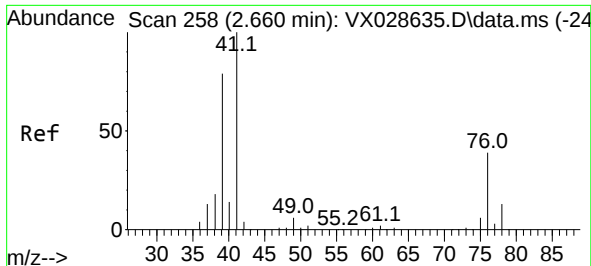
Ion Ratio Lower Upper

96 100

61 146.7 124.6 187.0

98 60.6 51.0 76.4

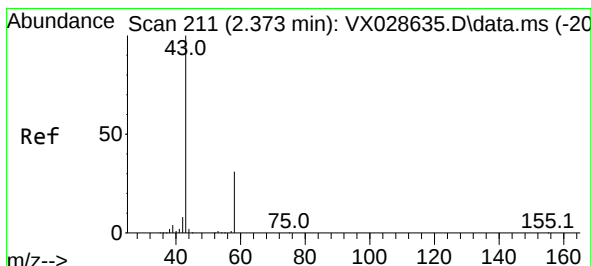
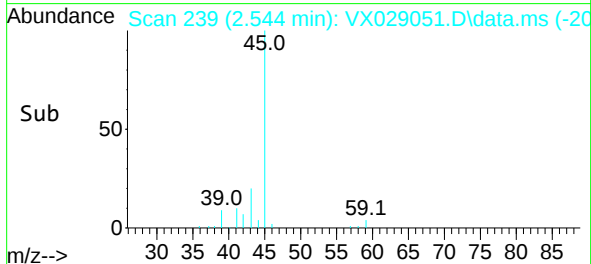
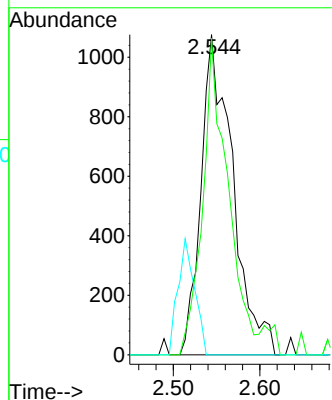
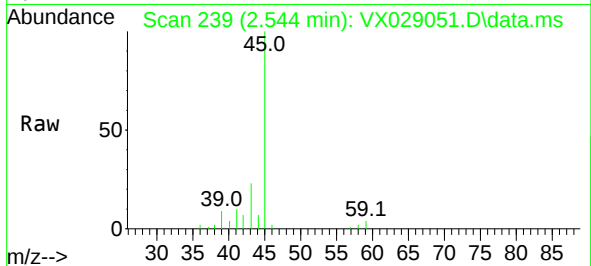




#14
 Allyl chloride
 Concen: 0.508 ug/l
 RT: 2.544 min Scan# 212
 Delta R.T. -0.116 min
 Lab File: VX029051.D
 Acq: 28 May 2022 02:52

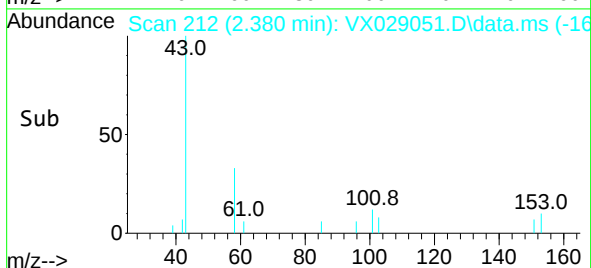
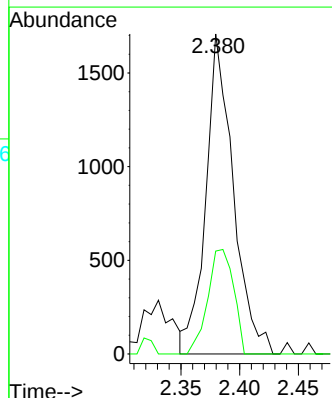
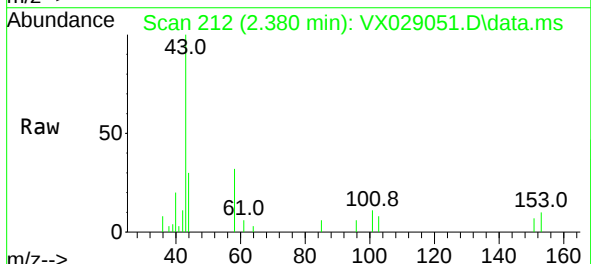
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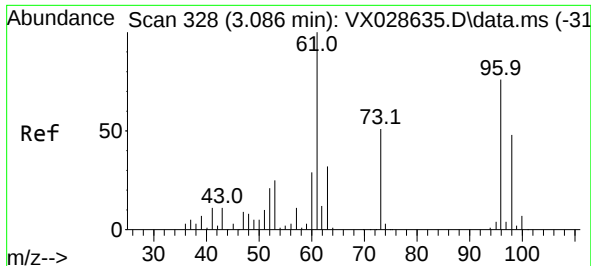
Tgt Ion: 41 Resp: 2727
 Ion Ratio Lower Upper
 41 100
 39 79.3 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 1.456 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.007 min
 Lab File: VX029051.D
 Acq: 28 May 2022 02:52

Tgt Ion: 43 Resp: 2769
 Ion Ratio Lower Upper
 43 100
 58 32.1 28.8 43.2

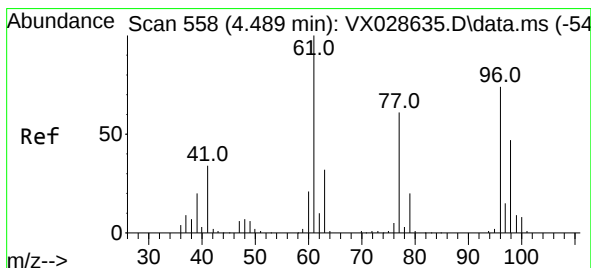
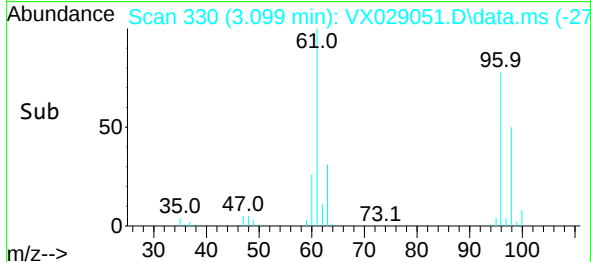
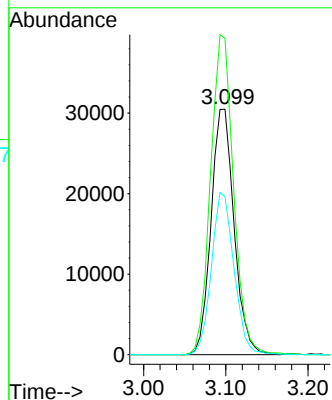
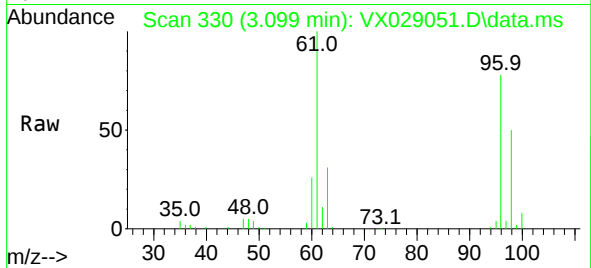




#21
trans-1,2-Dichloroethene
Concen: 15.761 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

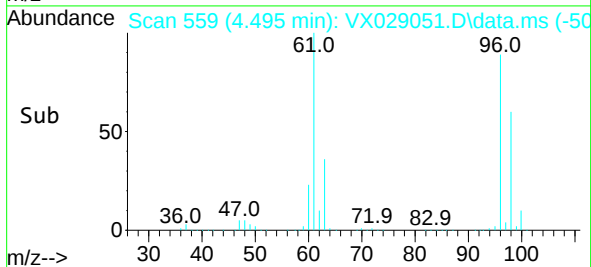
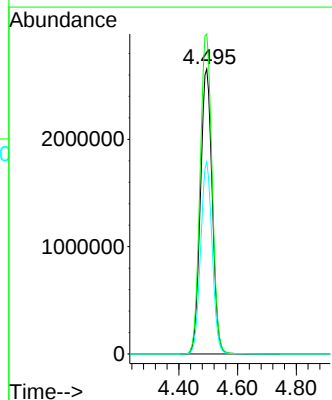
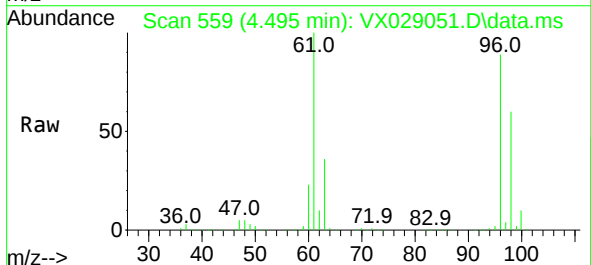
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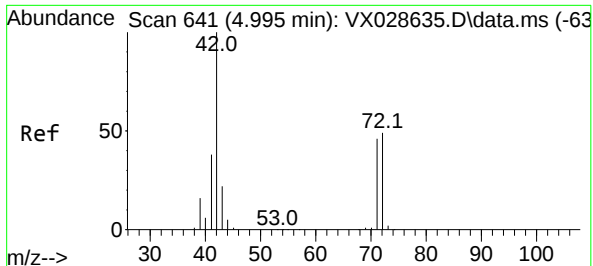
Tgt Ion: 96 Resp: 59415
Ion Ratio Lower Upper
96 100
61 128.9 105.4 158.2
98 64.4 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 1679.705 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion: 96 Resp: 7395643
Ion Ratio Lower Upper
96 100
61 114.8 0.0 283.8
98 66.0 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.852 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

Instrument :

MSVOA_X

ClientSampleId :

15BR-20220525

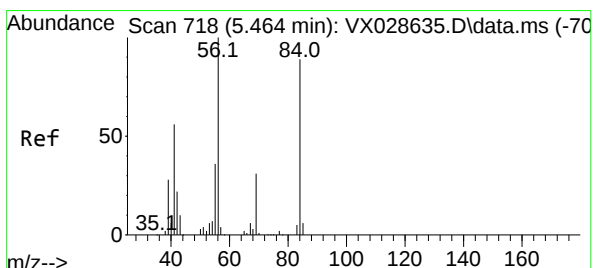
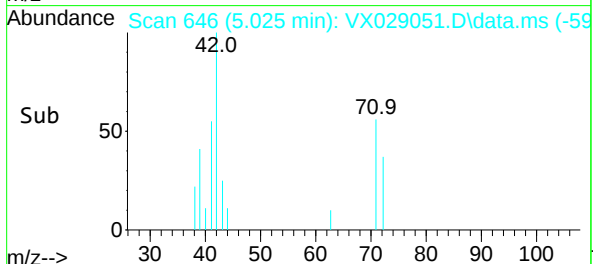
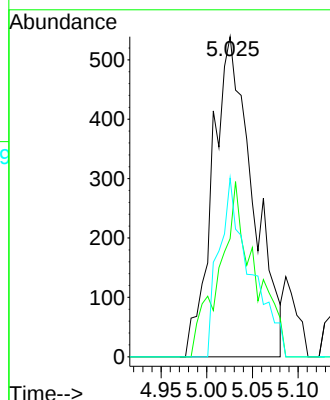
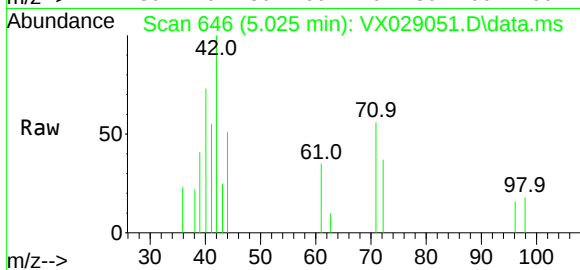
Tgt Ion: 42 Resp: 1653

Ion Ratio Lower Upper

42 100

72 48.0 44.1 66.1

71 43.6 40.5 60.7



#31

Cyclohexane

Concen: 0.965 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

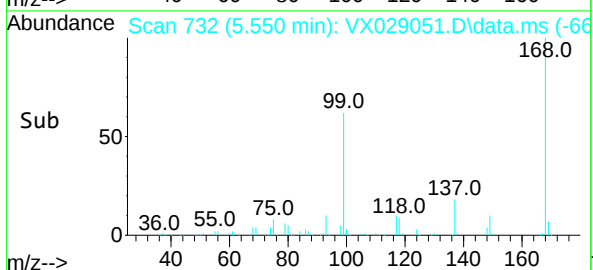
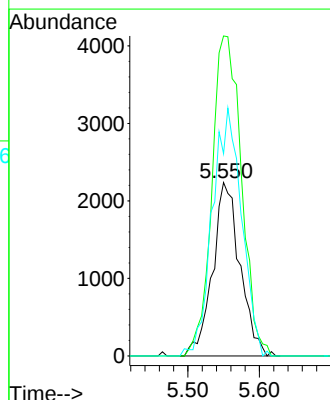
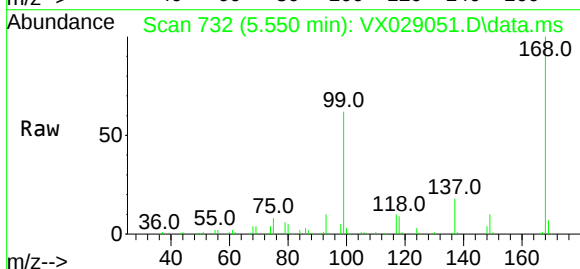
Tgt Ion: 56 Resp: 5940

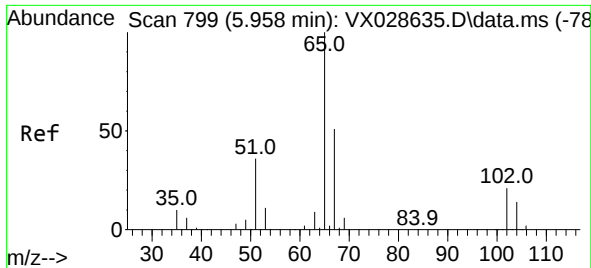
Ion Ratio Lower Upper

56 100

69 184.5 26.7 40.1#

84 116.6 77.2 115.8#

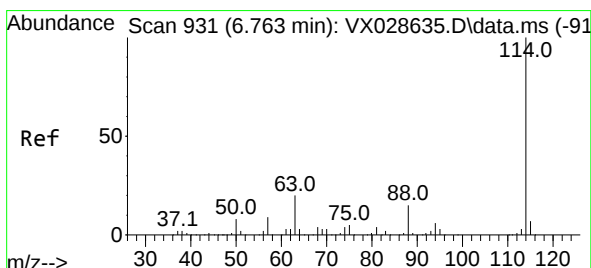
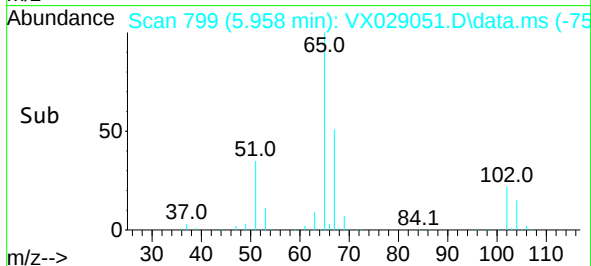
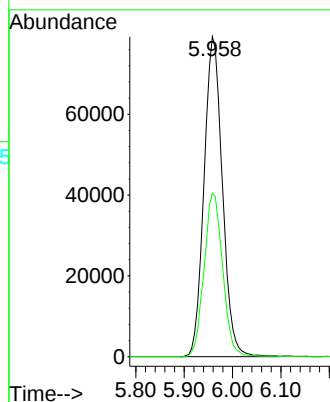
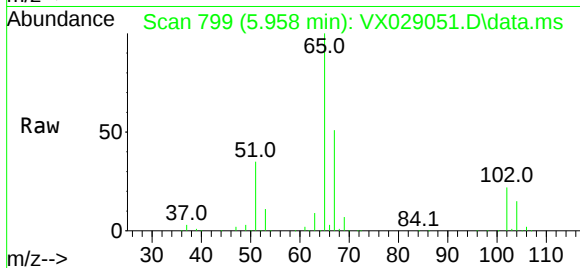




#33
 1,2-Dichloroethane-d4
 Concen: 47.171 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX029051.D
 Acq: 28 May 2022 02:52

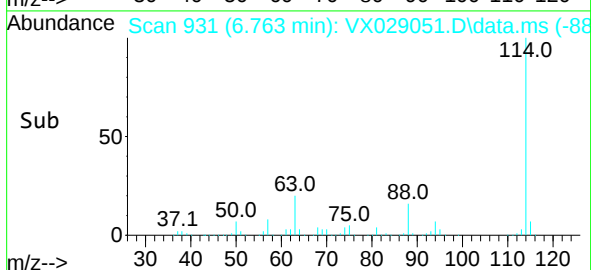
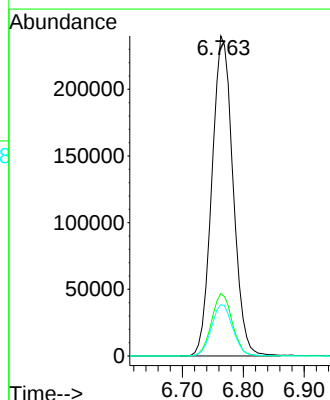
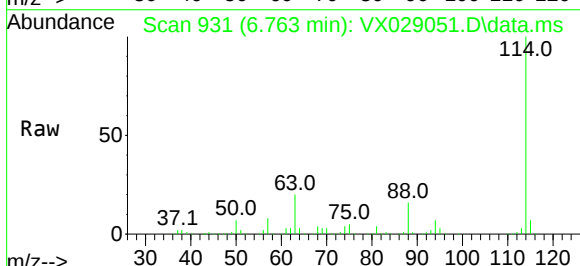
Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20220525

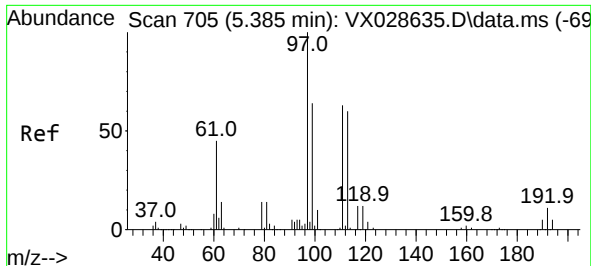
Tgt Ion: 65 Resp: 209099
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX029051.D
 Acq: 28 May 2022 02:52

Tgt Ion: 114 Resp: 577867
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.8
 88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.577 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

Instrument :

MSVOA_X

ClientSampleId :

15BR-20220525

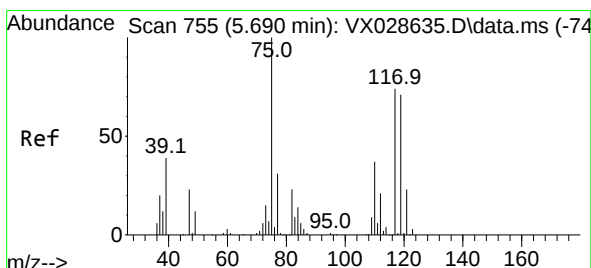
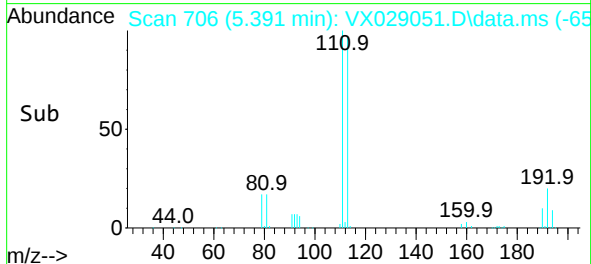
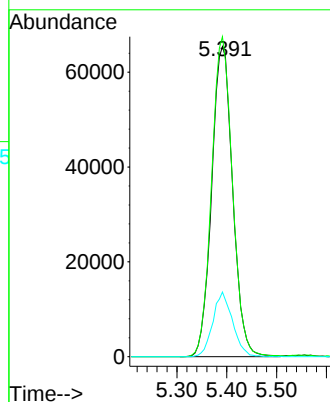
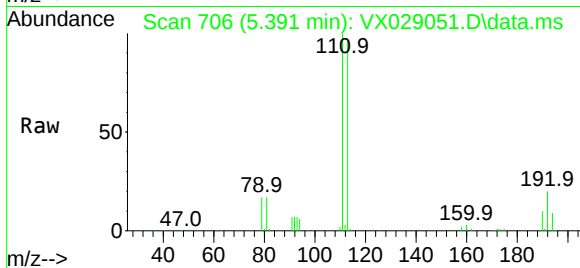
Tgt Ion:113 Resp: 191490

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.228 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

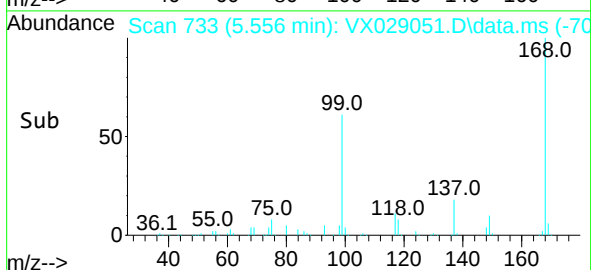
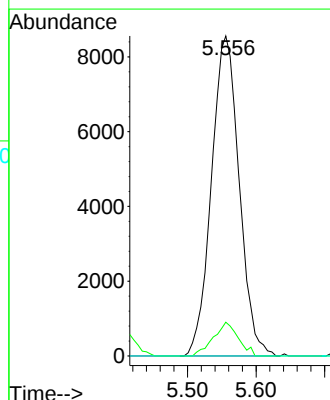
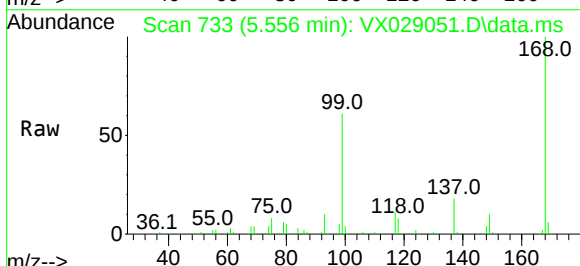
Tgt Ion: 75 Resp: 24045

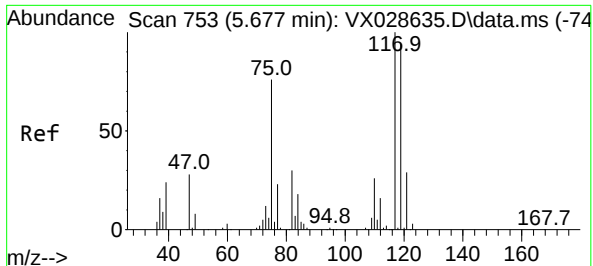
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#

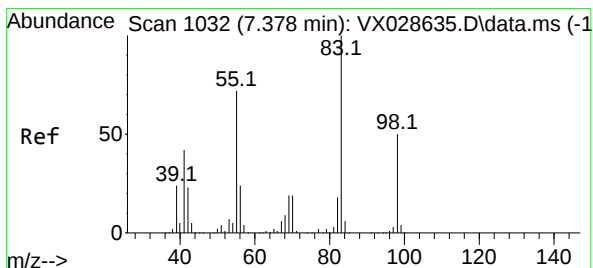
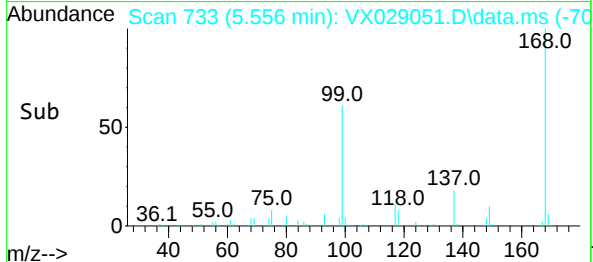
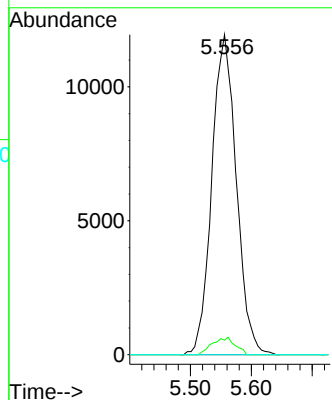
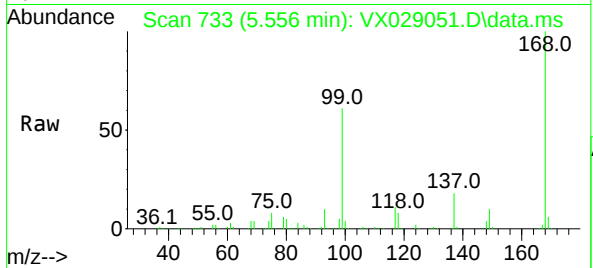




#38
Carbon Tetrachloride
Concen: 5.825 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

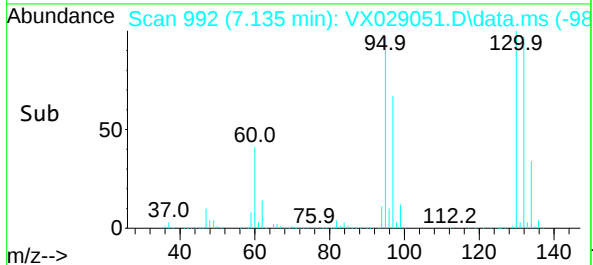
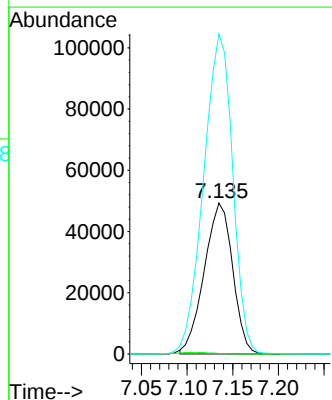
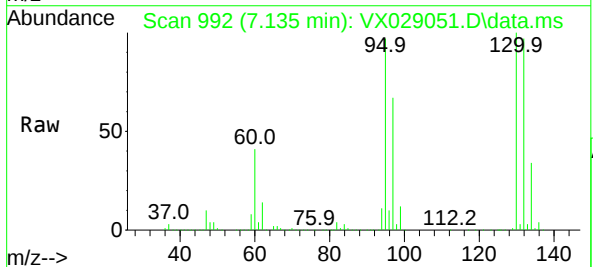
Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

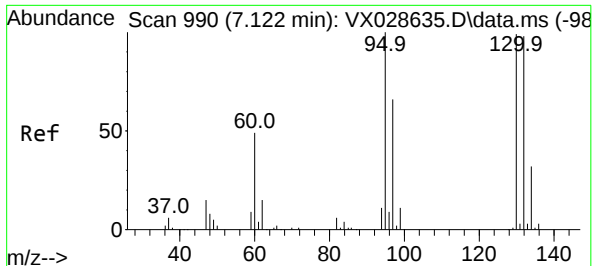
Tgt Ion:117 Resp: 33338
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 16.317 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.243 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion: 83 Resp: 106413
Ion Ratio Lower Upper
83 100
55 0.3 54.6 81.8#
98 211.8 37.4 56.2#

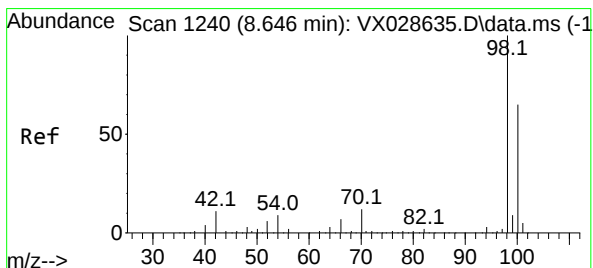
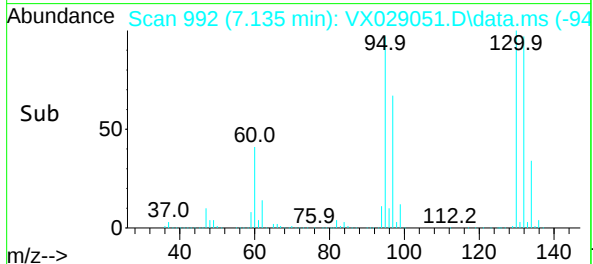
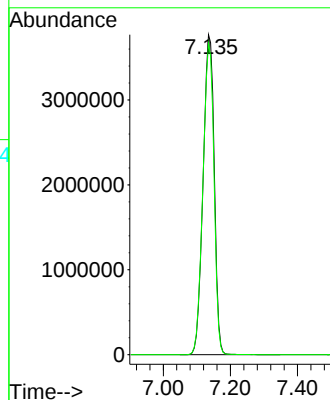
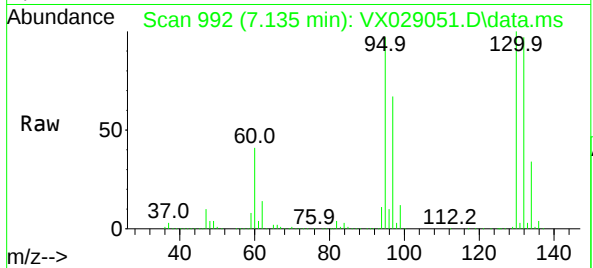




#44
 Trichloroethene
 Concen: 1954.667 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. 0.013 min
 Lab File: VX029051.D
 Acq: 28 May 2022 02:52

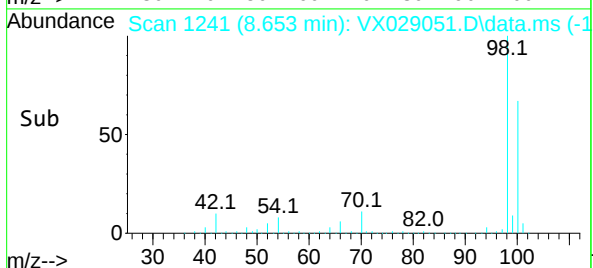
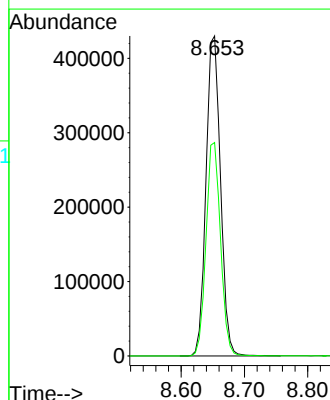
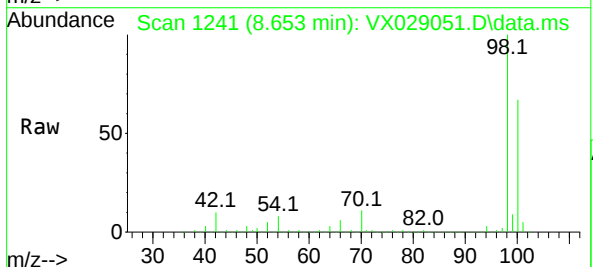
Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20220525

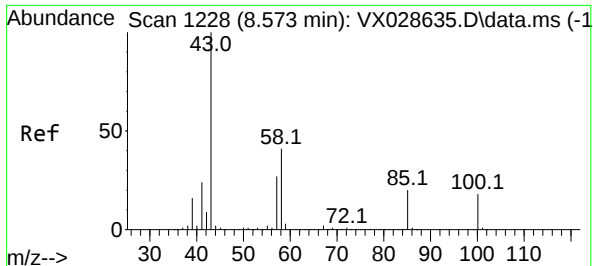
Tgt Ion:130 Resp: 8663915
 Ion Ratio Lower Upper
 130 100
 95 97.3 0.0 188.8



#50
 Toluene-d8
 Concen: 48.140 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.007 min
 Lab File: VX029051.D
 Acq: 28 May 2022 02:52

Tgt Ion: 98 Resp: 687160
 Ion Ratio Lower Upper
 98 100
 100 66.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.394 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX029051.D

Acq: 28 May 2022 02:52

Instrument :

MSVOA_X

ClientSampleId :

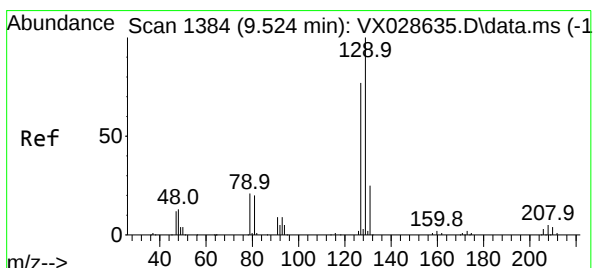
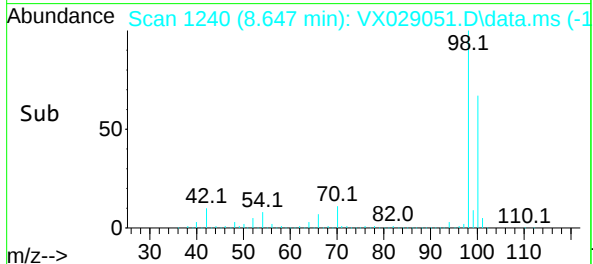
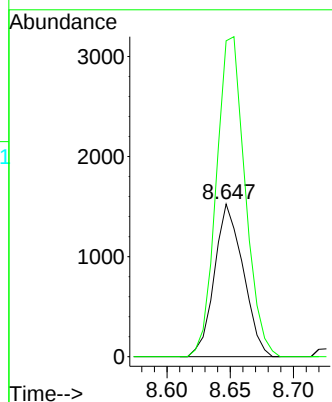
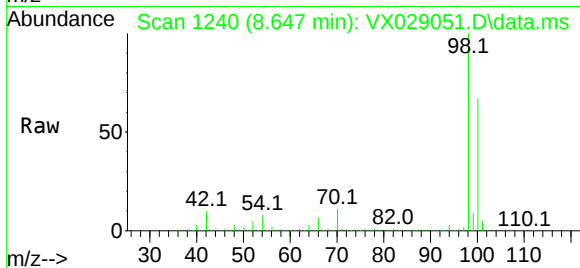
15BR-20220525

Tgt Ion: 43 Resp: 2409

Ion Ratio Lower Upper

43 100

58 209.8 36.1 54.1#



#60

Dibromochloromethane

Concen: 0.468 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX029051.D

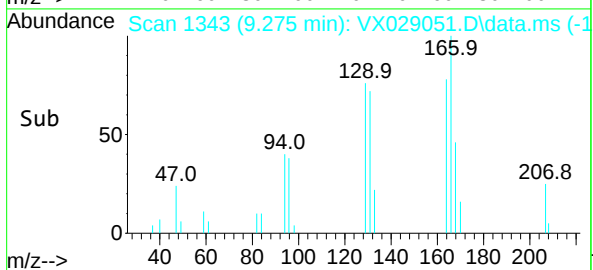
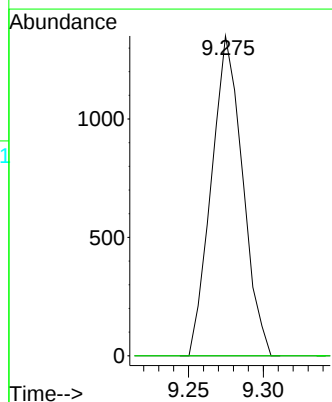
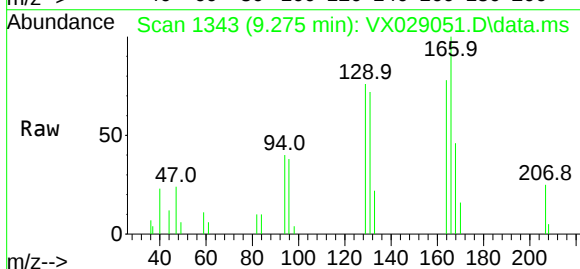
Acq: 28 May 2022 02:52

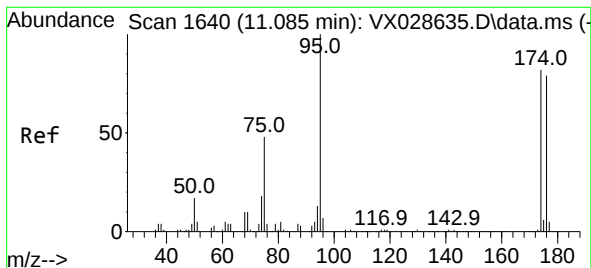
Tgt Ion: 129 Resp: 1957

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#

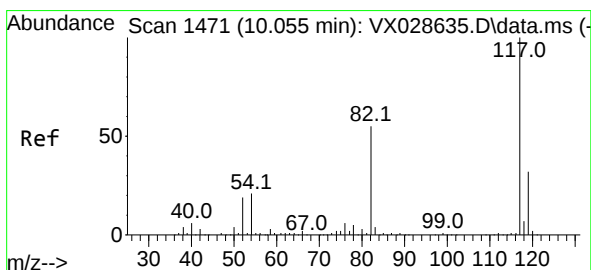
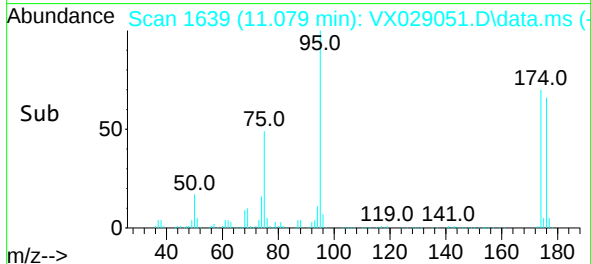
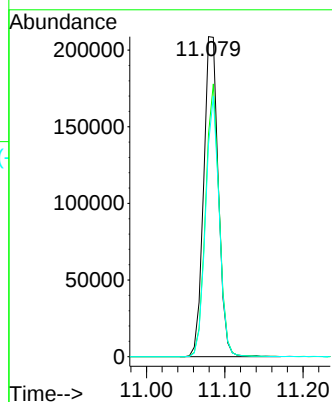
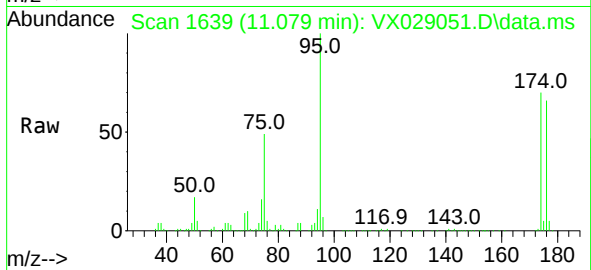




#62
4-Bromofluorobenzene
Concen: 50.996 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

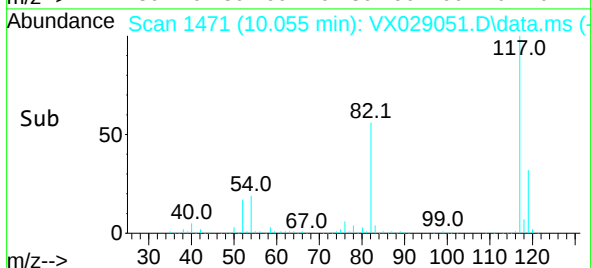
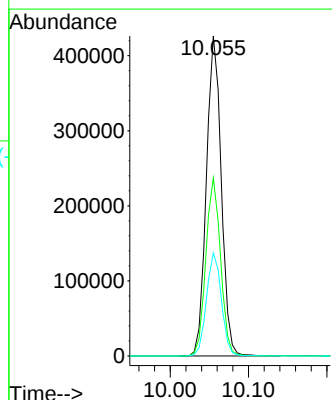
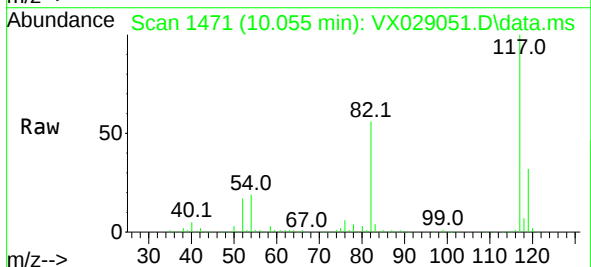
Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

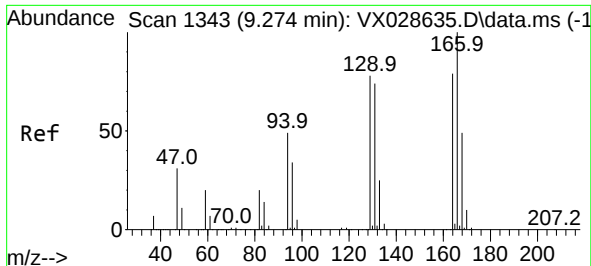
Tgt Ion: 95 Resp: 271886
Ion Ratio Lower Upper
95 100
174 79.1 0.0 163.0
176 75.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion: 117 Resp: 561797
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.2 24.8 37.2

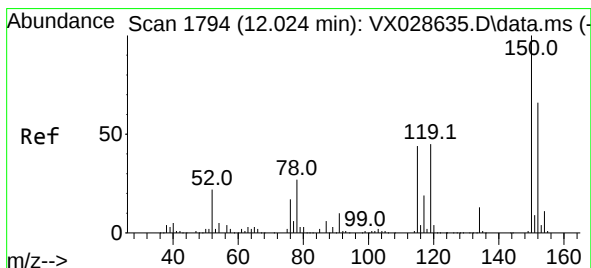
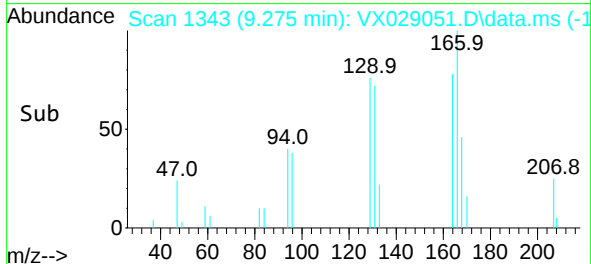
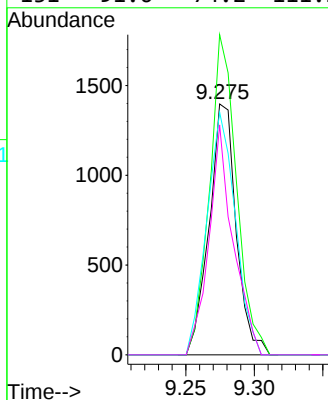
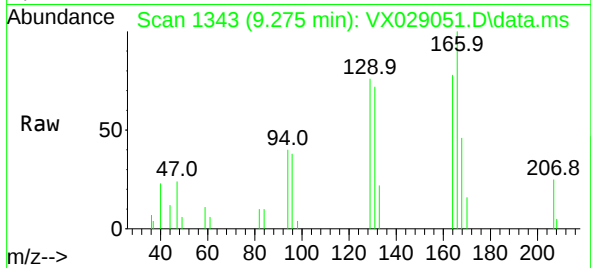




#64
Tetrachloroethene
Concen: 0.452 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

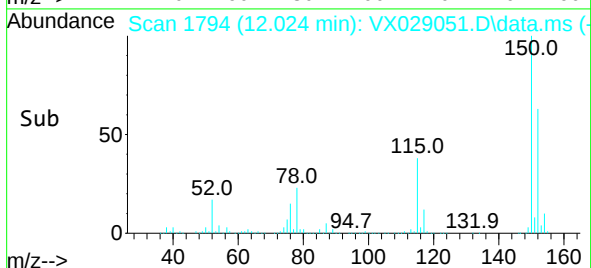
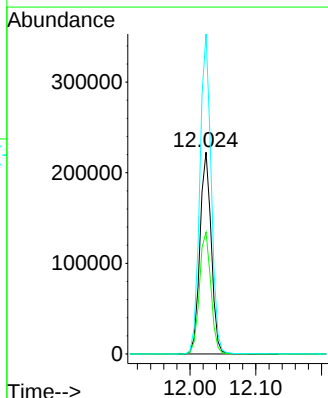
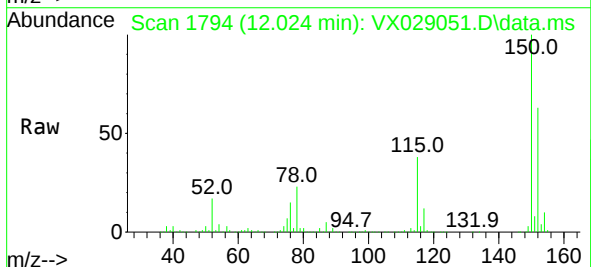
Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

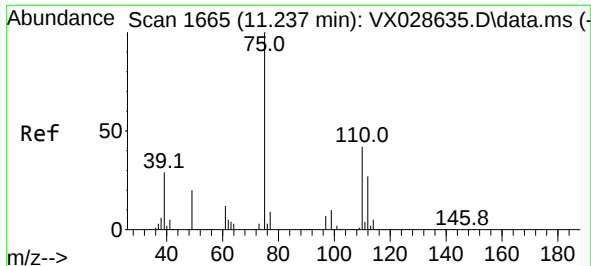
Tgt Ion:164	Resp:	1917	
Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.2	151.8
129	96.7	73.0	109.4
131	91.6	74.2	111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion:152	Resp:	266661	
Ion	Ratio	Lower	Upper
152	100		
115	61.1	37.5	112.7
150	157.7	0.0	338.2

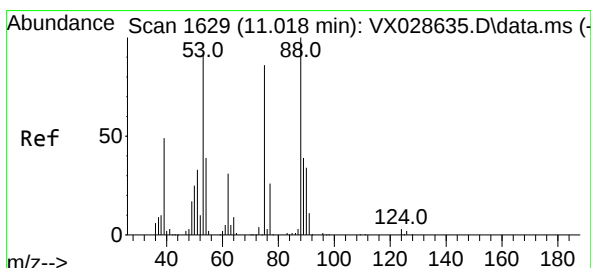
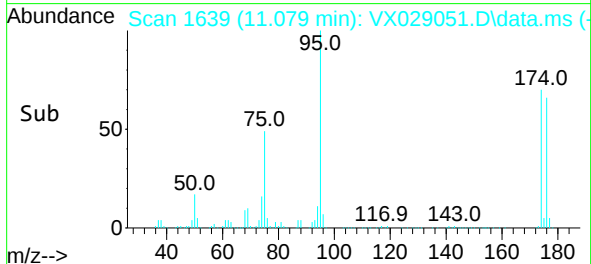
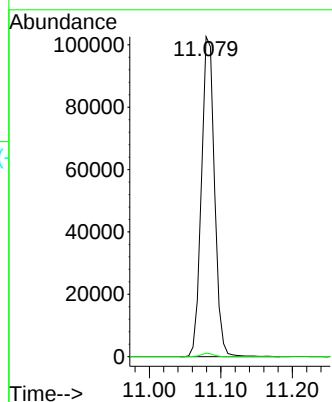
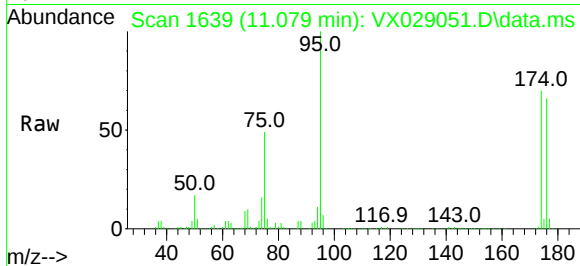




#76
1,2,3-Trichloropropane
Concen: 20.952 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Instrument :
MSVOA_X
ClientSampleId :
15BR-20220525

Tgt Ion: 75 Resp: 130841
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.536 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029051.D
Acq: 28 May 2022 02:52

Tgt Ion: 75 Resp: 130841
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

