

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033343.D
 Acq On : 09 Dec 2022 13:31
 Operator : JC/MD
 Sample : N5944-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-95-105-120722

Quant Time: Dec 09 14:42:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

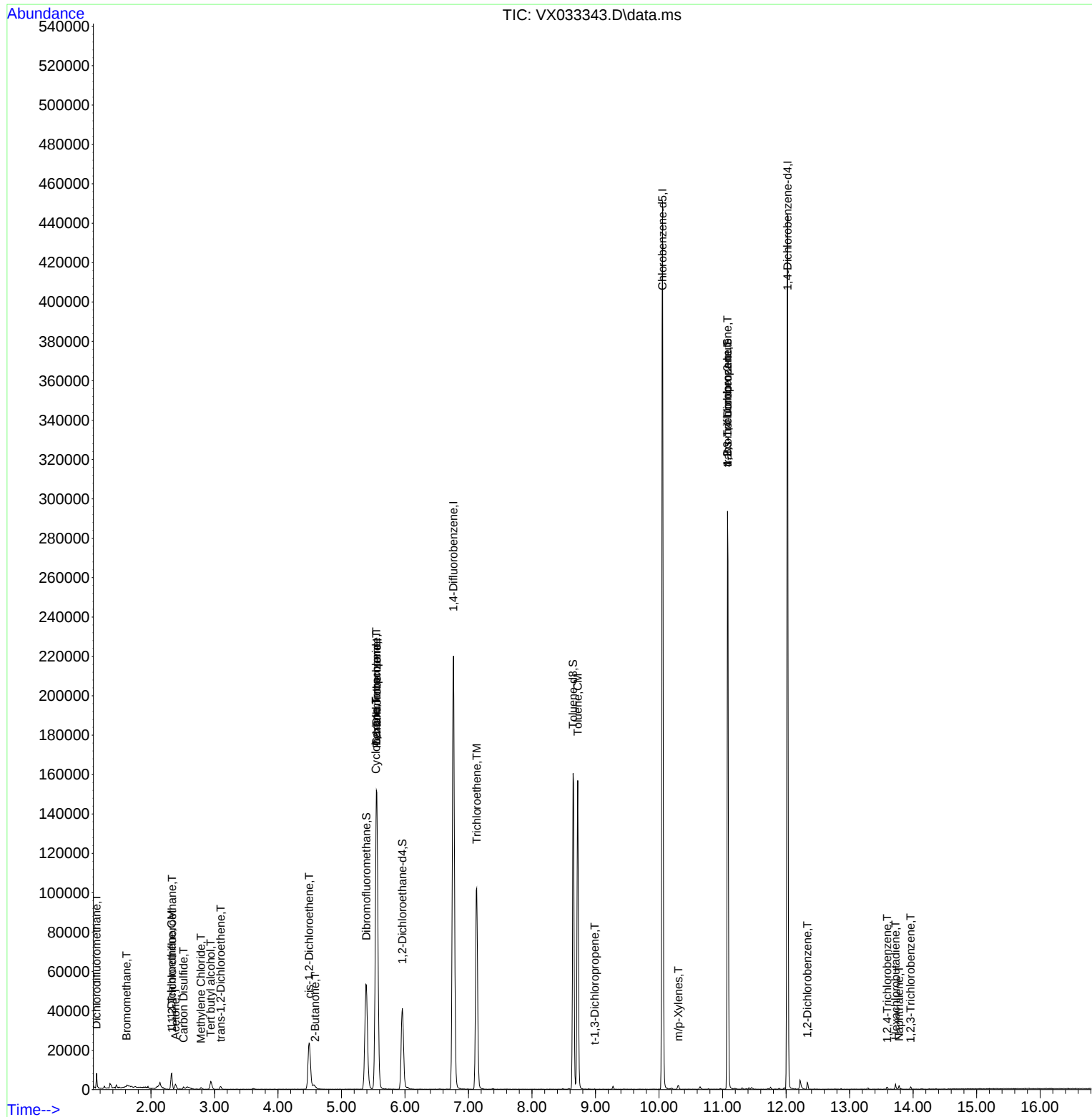
Internal Standards						
1) Pentafluorobenzene	5.556	168	147160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42492	45.009	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.020%		
35) Dibromofluoromethane	5.391	113	48350	46.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.040%		
50) Toluene-d8	8.647	98	100188	46.081	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.160%		
62) 4-Bromofluorobenzene	11.079	95	78012	46.928	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	332	0.323	ug/l #	44
5) Bromomethane	1.618	94	334	0.335	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	380	0.281	ug/l #	86
11) Tert butyl alcohol	2.940	59	2384	8.260	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	2606	1.953	ug/l	90
16) Acetone	2.386	43	3099	4.436	ug/l	95
17) Carbon Disulfide	2.514	76	1433	0.419	ug/l #	90
20) Methylene Chloride	2.788	84	503	0.323	ug/l #	73
21) trans-1,2-Dichloroethene	3.099	96	644	0.441	ug/l #	78
25) 2-Butanone	4.586	43	371	0.370	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	15862	9.094	ug/l	92
31) Cyclohexane	5.544	56	3020	1.346	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	10649	5.255	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15304	6.741	ug/l #	15
44) Trichloroethene	7.129	130	41667	25.580	ug/l	97
52) Toluene	8.720	92	59573	15.596	ug/l	99
53) t-1,3-Dichloropropene	8.988	75	25	2.515	ug/l #	43
68) m/p-Xylenes	10.305	106	620	0.219	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	39255	20.690	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39255	64.360	ug/l #	6
91) 1,2-Dichlorobenzene	12.335	146	951	0.308	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	472	0.253	ug/l	87
94) Hexachlorobutadiene	13.725	225	479	0.641	ug/l	90
95) Naphthalene	13.780	128	1442	0.232	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	421	0.223	ug/l	94

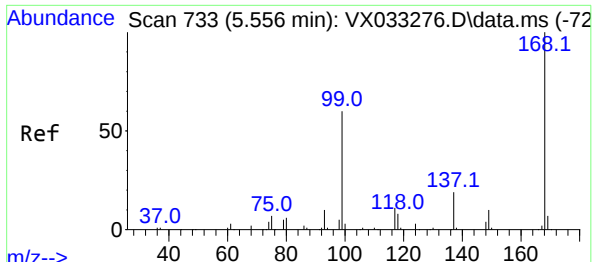
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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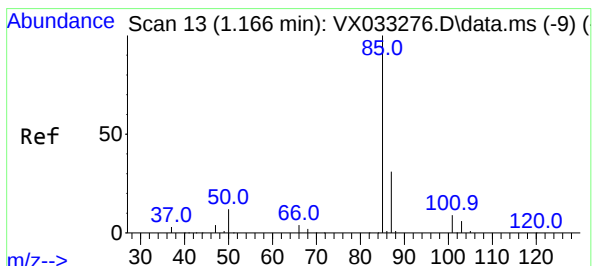
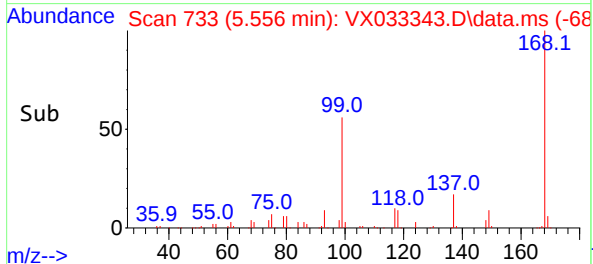
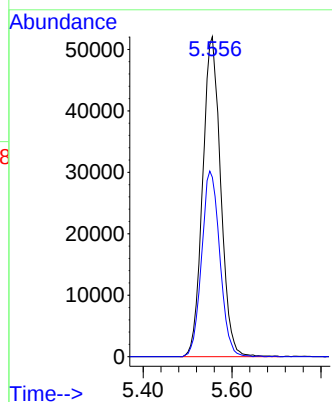
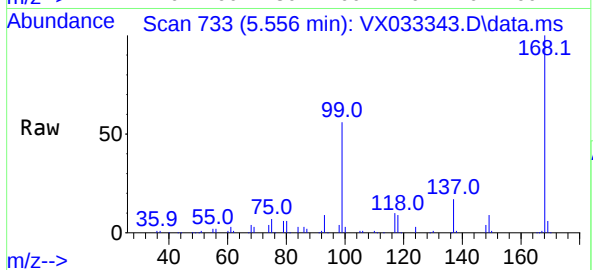




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

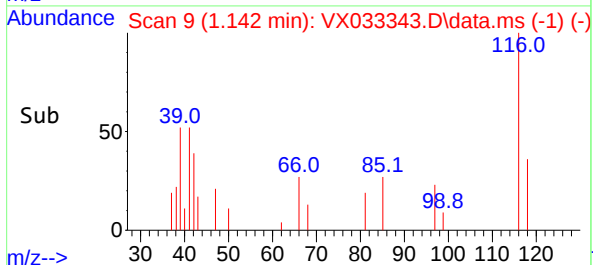
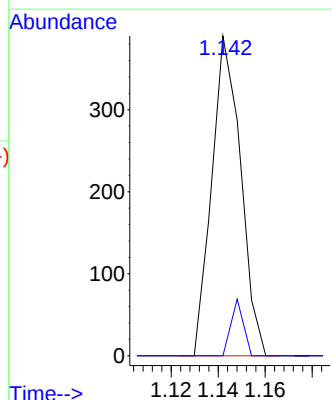
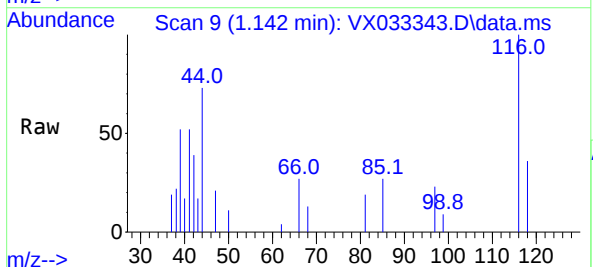
Instrument : MSVOA_X
ClientSampleId : GW-BR-04-95-105-120722

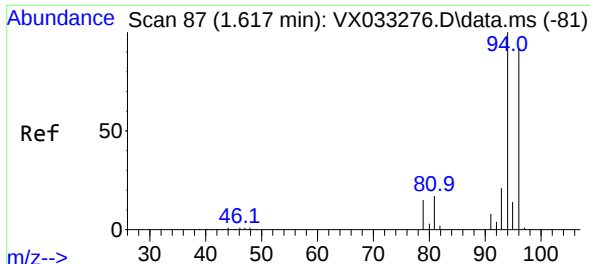
Tgt Ion:168 Resp: 147160
Ion Ratio Lower Upper
168 100
99 56.0 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.323 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 85 Resp: 332
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.7#

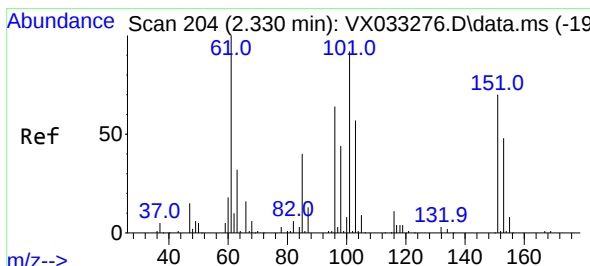
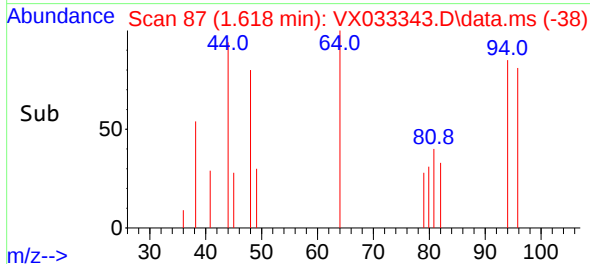
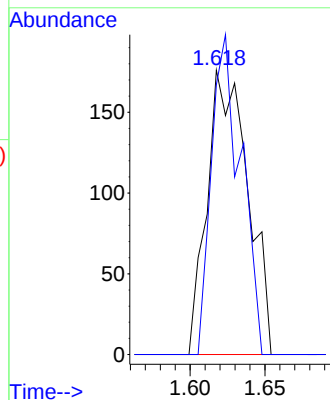
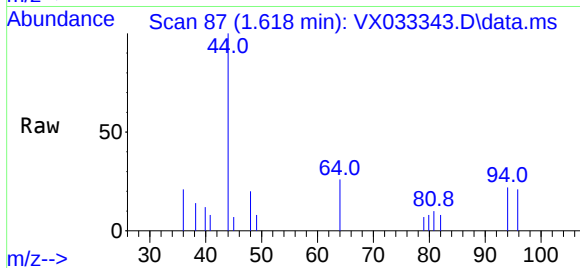




#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

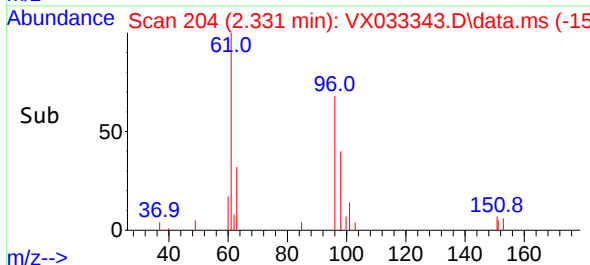
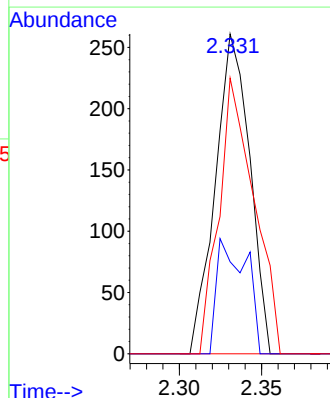
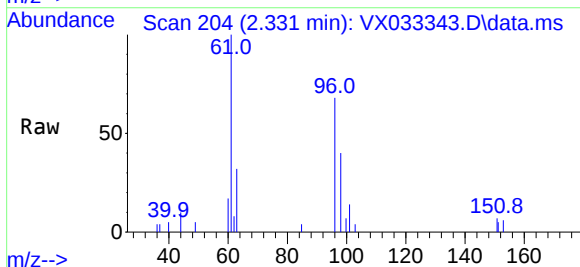
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

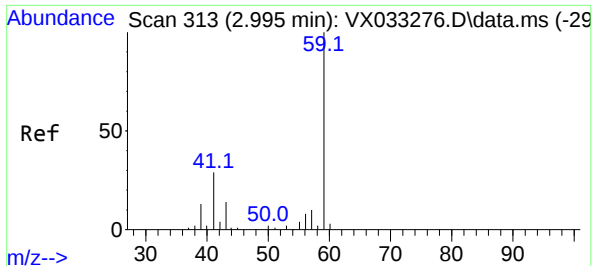
Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 94.9 77.6 116.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.281 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 101 Resp: 380
Ion Ratio Lower Upper
101 100
85 30.5 37.0 55.4#
151 87.9 64.4 96.6





#11

Tert butyl alcohol

Concen: 8.260 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX033343.D

Acq: 09 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

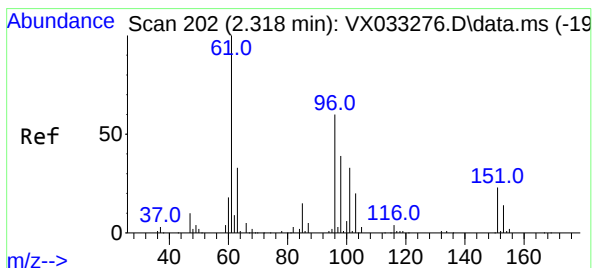
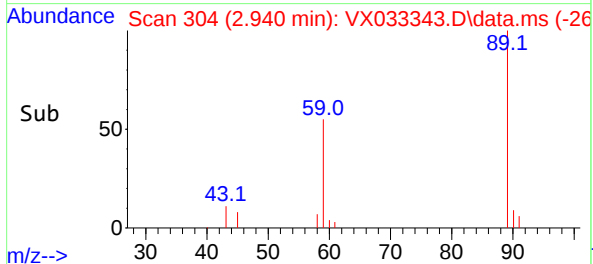
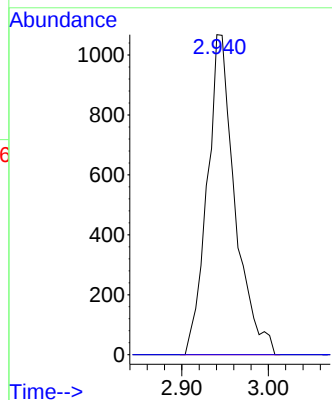
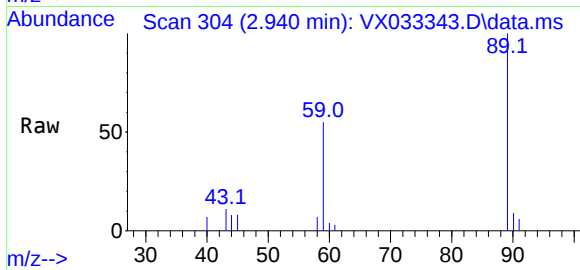
GW-BR-04-95-105-120722

Tgt Ion: 59 Resp: 2384

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 1.953 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX033343.D

Acq: 09 Dec 2022 13:31

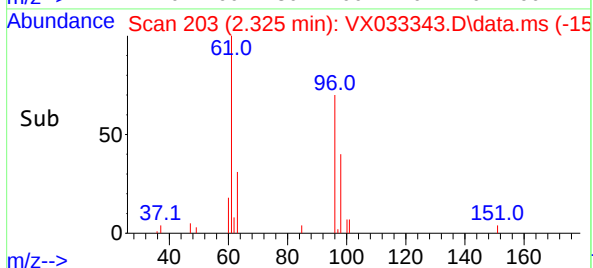
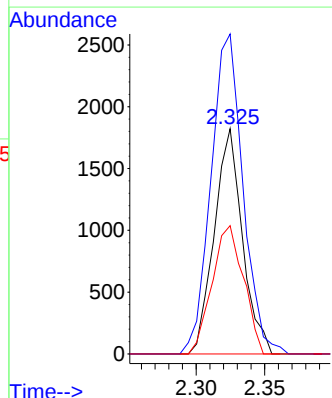
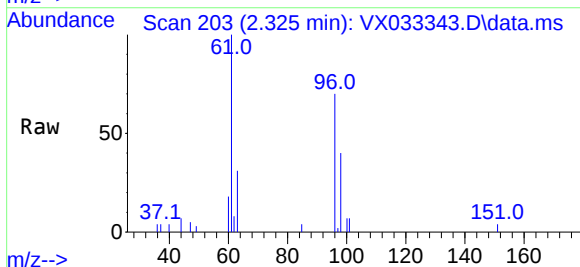
Tgt Ion: 96 Resp: 2606

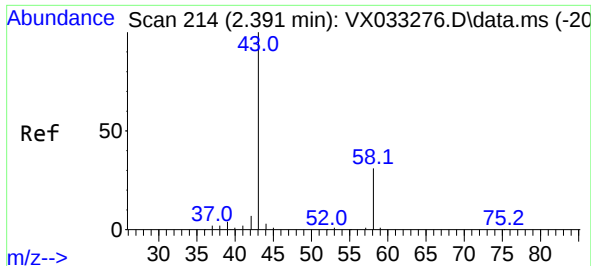
Ion Ratio Lower Upper

96 100

61 142.1 125.1 187.7

98 57.0 50.6 76.0

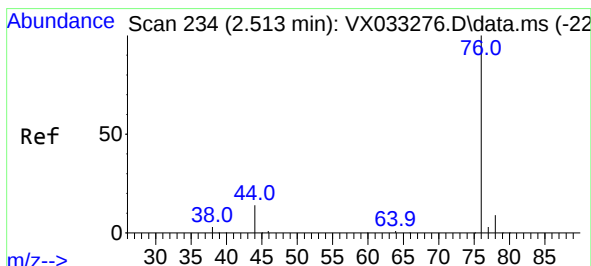
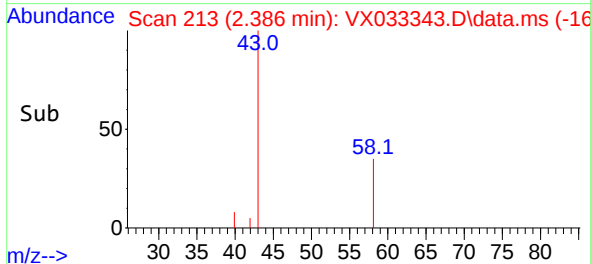
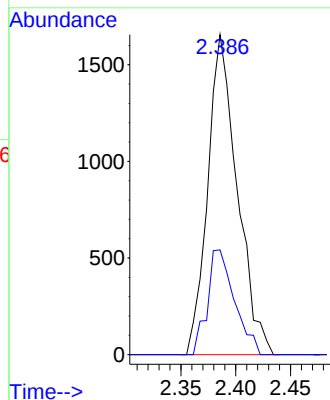
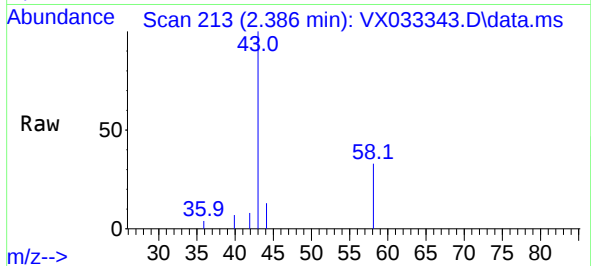




#16
Acetone
Concen: 4.436 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

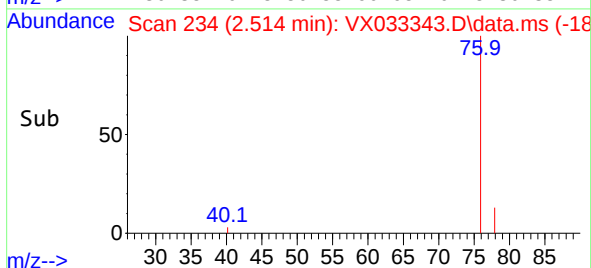
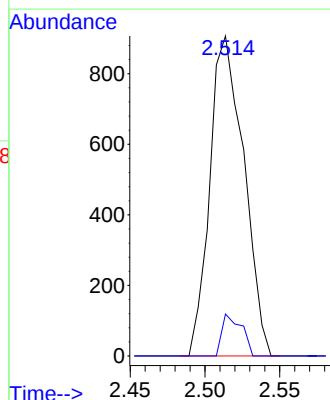
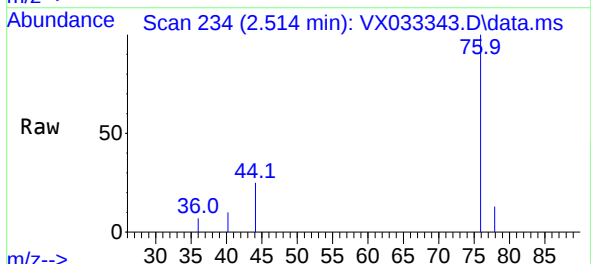
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

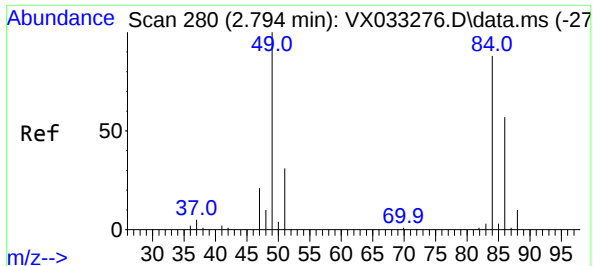
Tgt Ion: 43 Resp: 3099
Ion Ratio Lower Upper
43 100
58 32.7 23.8 35.8



#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 76 Resp: 1433
Ion Ratio Lower Upper
76 100
78 13.1 7.5 11.3#



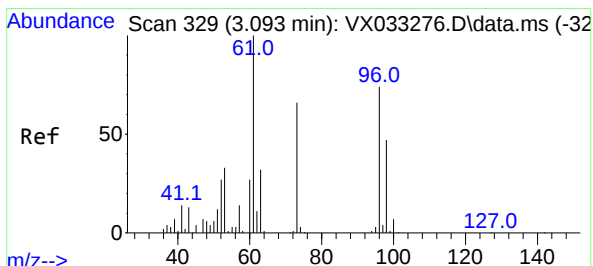
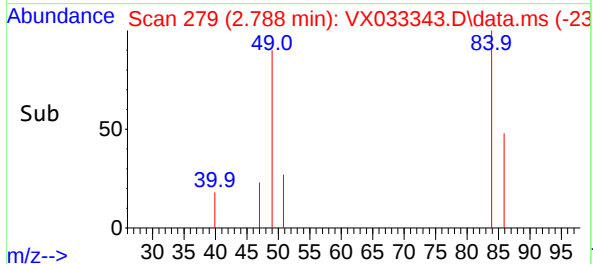
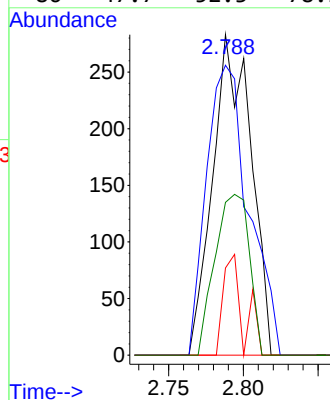
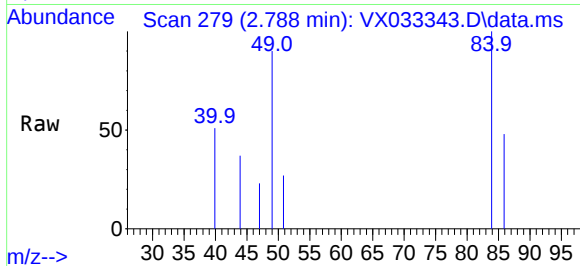


#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

Tgt Ion: 84 Resp: 503

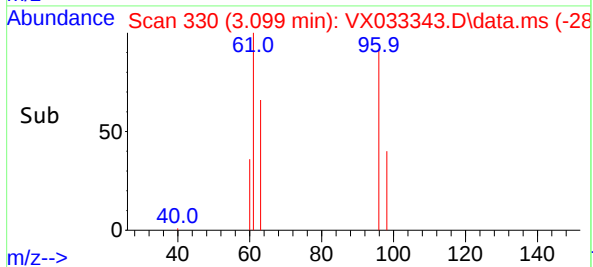
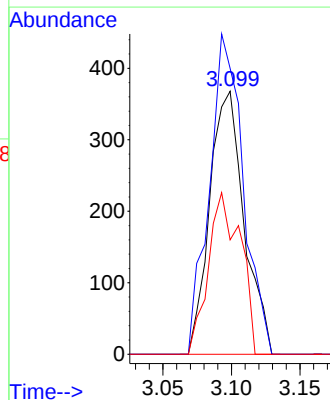
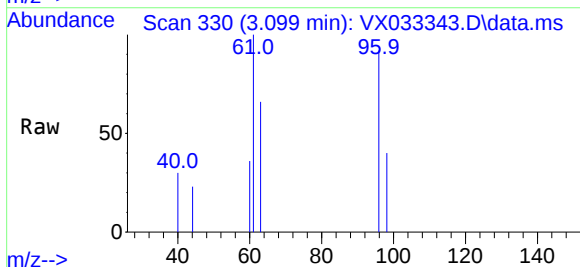
Ion	Ratio	Lower	Upper
84	100		
49	90.5	101.0	151.6#
51	27.2	31.1	46.7#
86	47.7	52.3	78.5#

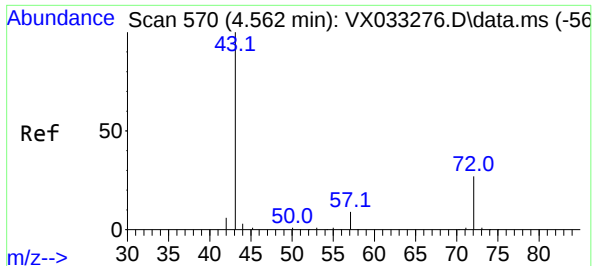


#21
trans-1,2-Dichloroethene
Concen: 0.441 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 96 Resp: 644

Ion	Ratio	Lower	Upper
96	100		
61	108.7	106.6	160.0
98	43.5	51.0	76.6#





#25

2-Butanone

Concen: 0.370 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX033343.D

Acq: 09 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

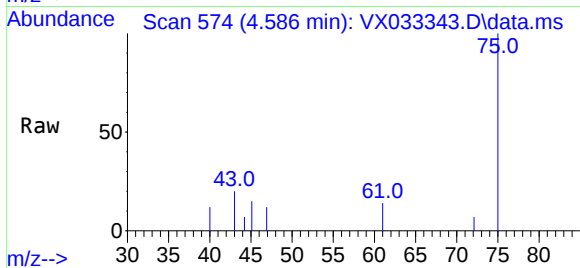
GW-BR-04-95-105-120722

Tgt Ion: 43 Resp: 371

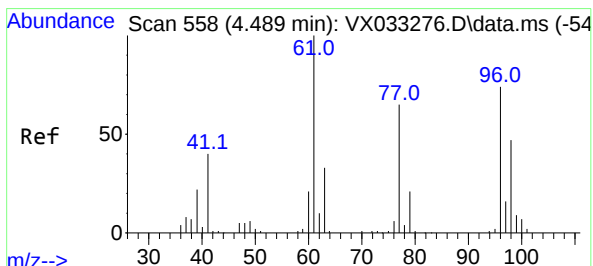
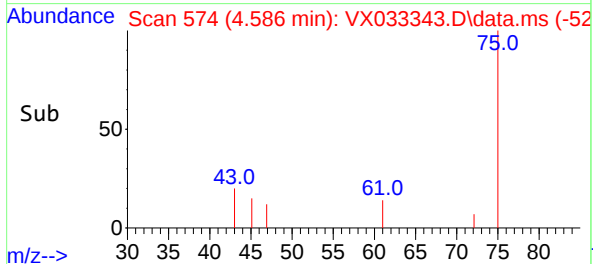
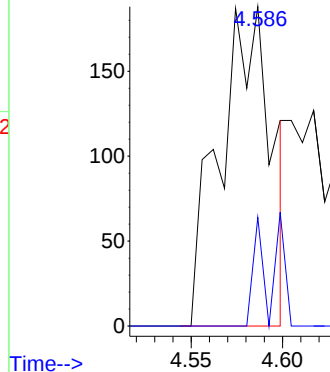
Ion Ratio Lower Upper

43 100

72 34.0 22.2 33.2#



Abundance



#27

cis-1,2-Dichloroethene

Concen: 9.094 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX033343.D

Acq: 09 Dec 2022 13:31

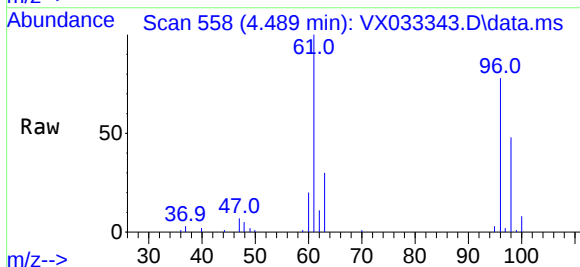
Tgt Ion: 96 Resp: 15862

Ion Ratio Lower Upper

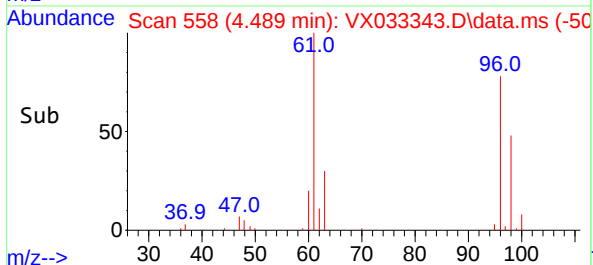
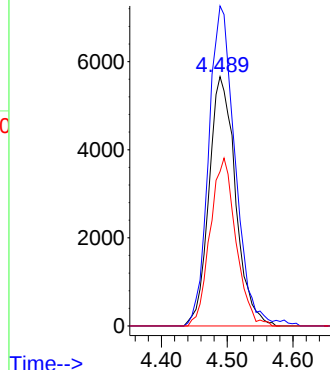
96 100

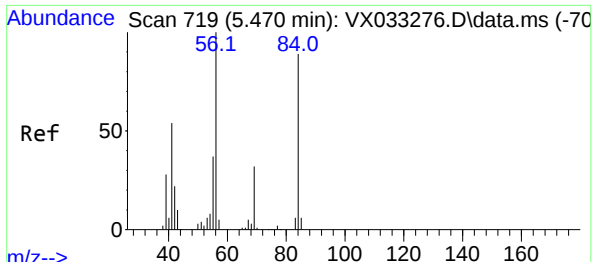
61 128.5 0.0 286.0

98 65.3 0.0 129.6



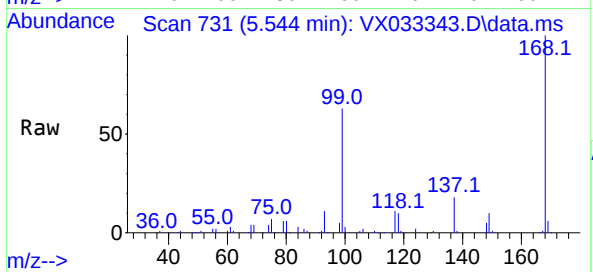
Abundance



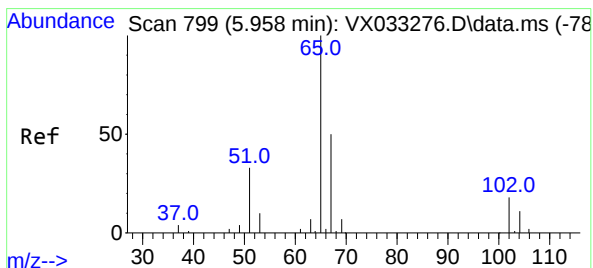
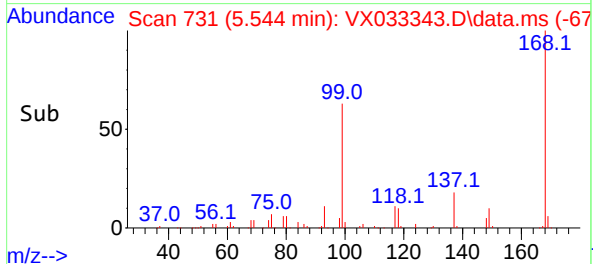
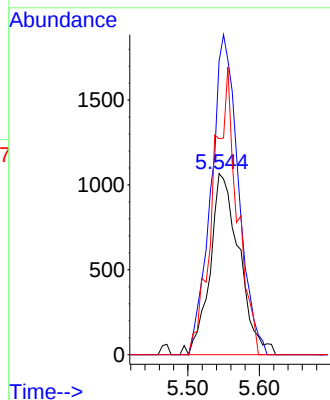


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Instrument :
MSVOA_X
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GW-BR-04-95-105-120722

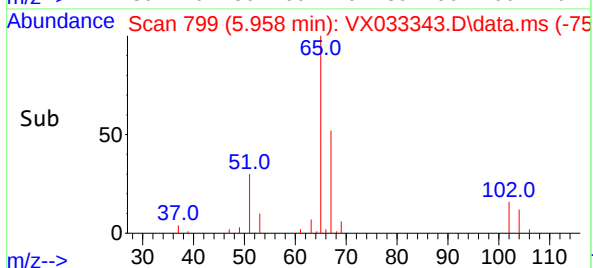
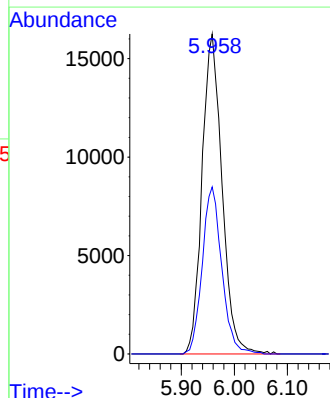
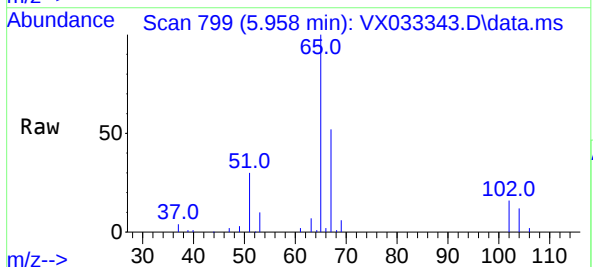


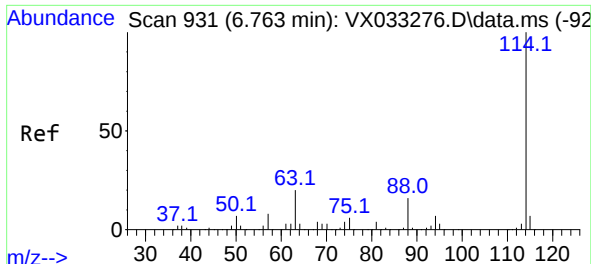
Tgt Ion: 56 Resp: 3020
Ion Ratio Lower Upper
56 100
69 162.0 24.1 36.1#
84 119.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 45.009 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 65 Resp: 42492
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8

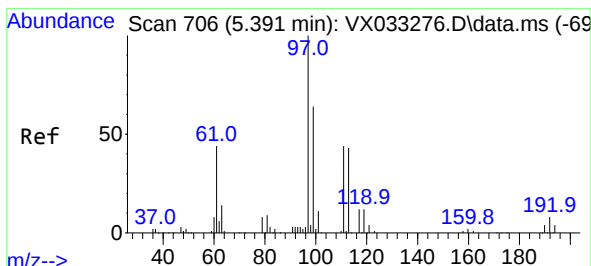
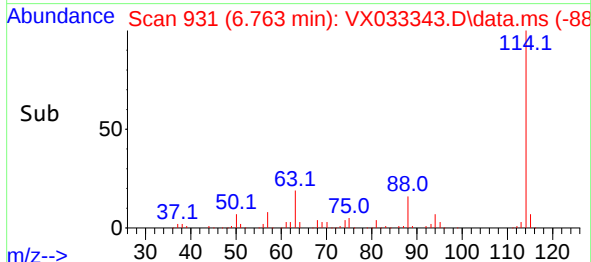
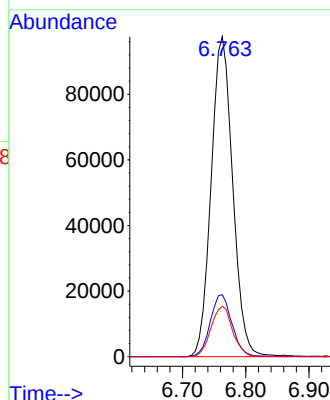
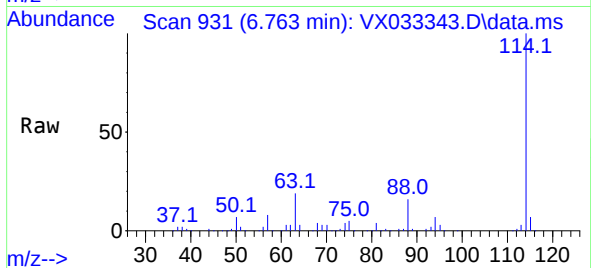




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

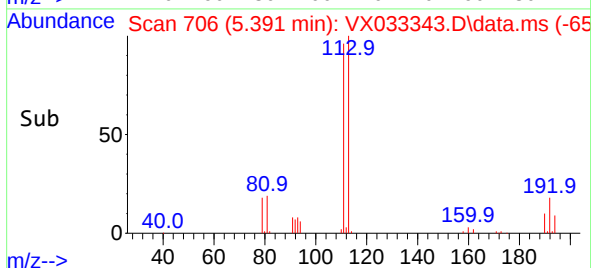
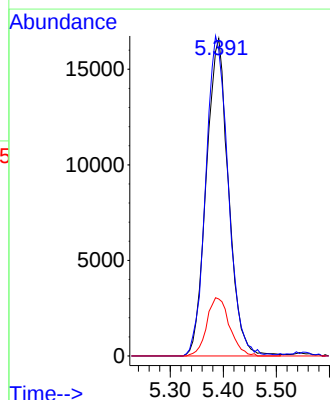
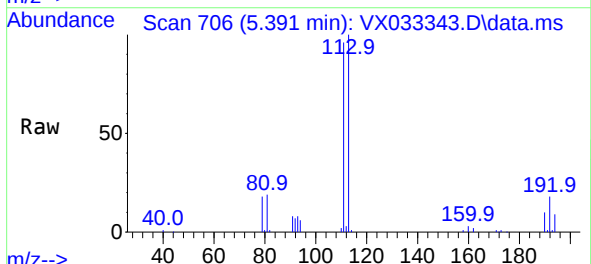
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

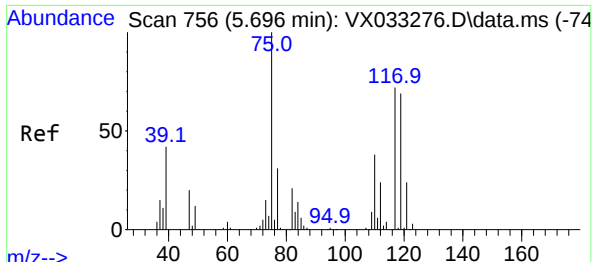
Tgt Ion:114 Resp: 231068
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 15.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.522 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion:113 Resp: 48350
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 18.8 15.4 23.2

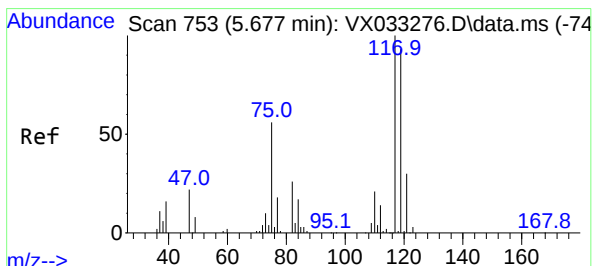
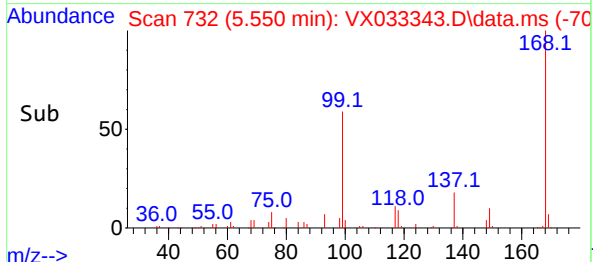
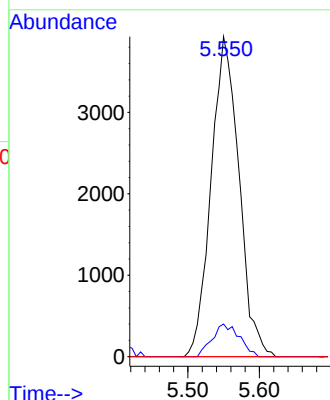
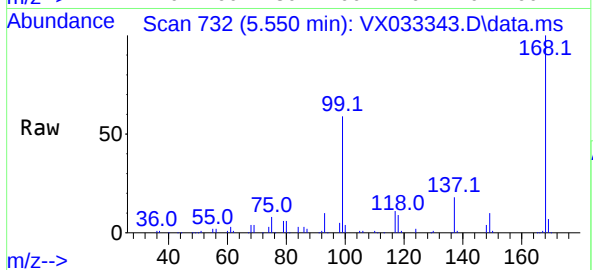




#36
1,1-Dichloropropene
Concen: 5.255 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

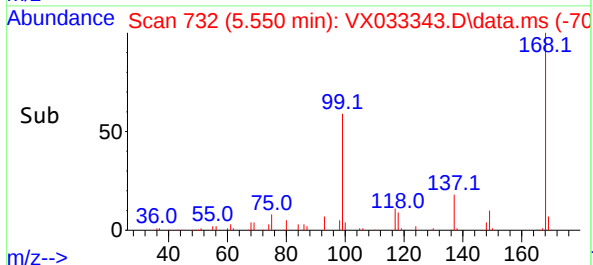
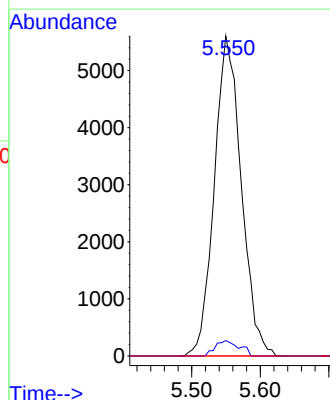
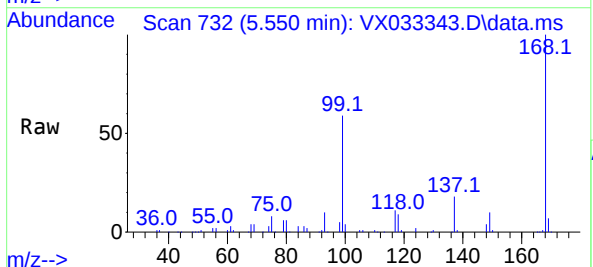
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

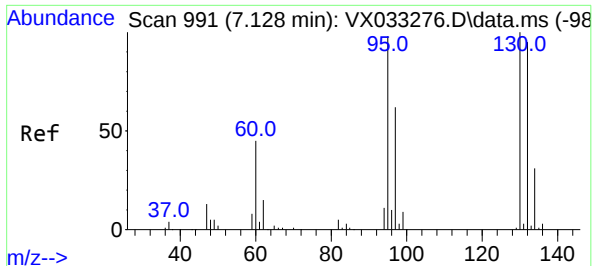
Tgt Ion: 75 Resp: 10649
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.741 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 117 Resp: 15304
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.8 38.6#





#44

Trichloroethene

Concen: 25.580 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX033343.D

Acq: 09 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

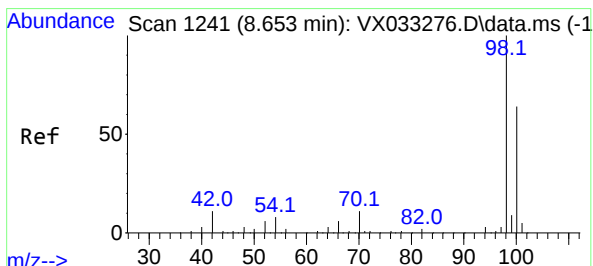
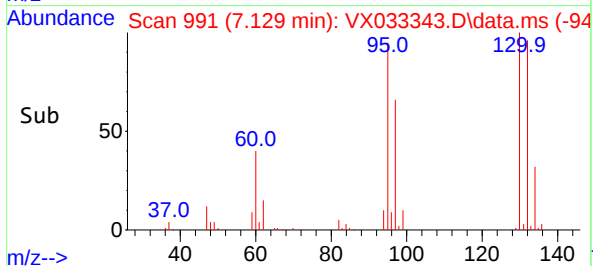
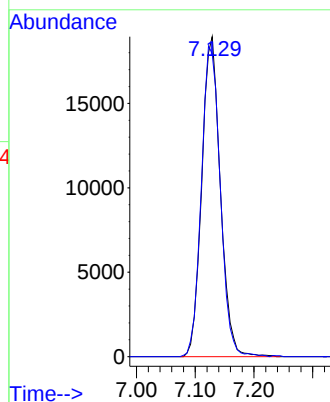
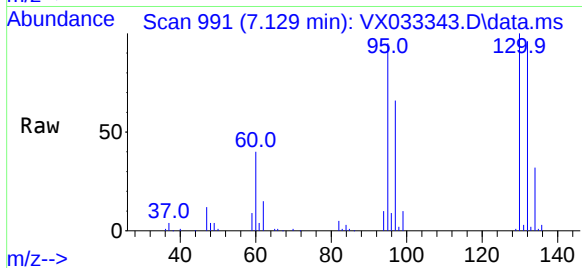
GW-BR-04-95-105-120722

Tgt Ion:130 Resp: 41667

Ion Ratio Lower Upper

130 100

95 94.7 0.0 195.2



#50

Toluene-d8

Concen: 46.081 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033343.D

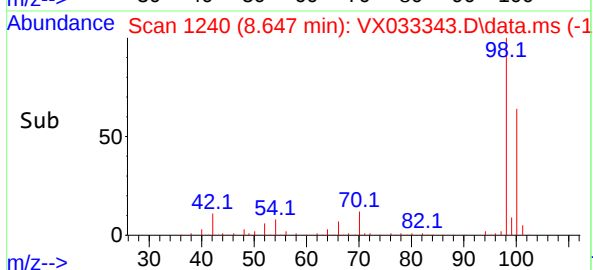
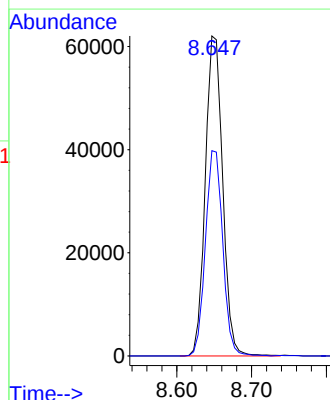
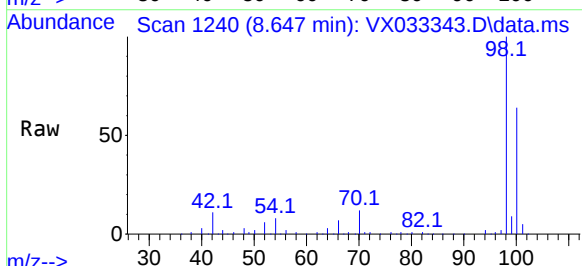
Acq: 09 Dec 2022 13:31

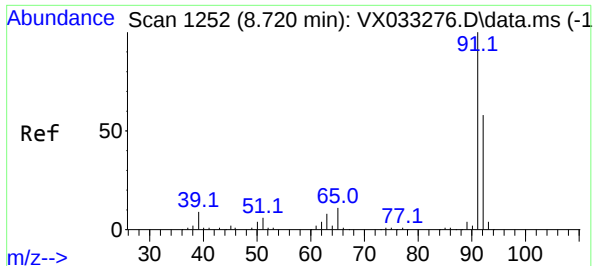
Tgt Ion: 98 Resp: 100188

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3





#52

Toluene

Concen: 15.596 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033343.D

Acq: 09 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

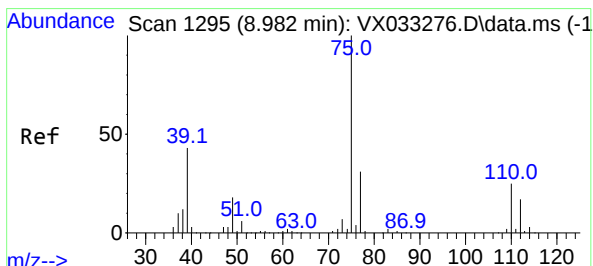
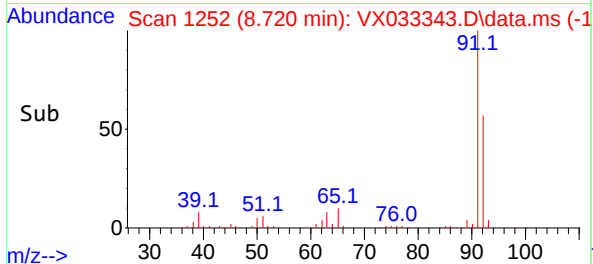
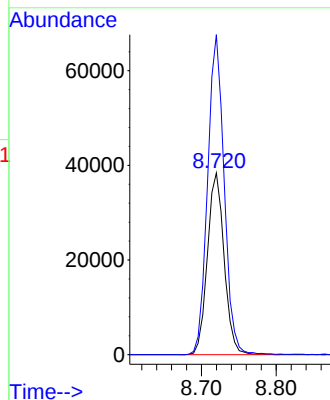
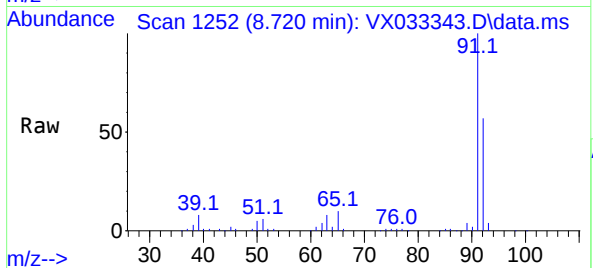
GW-BR-04-95-105-120722

Tgt Ion: 92 Resp: 59573

Ion Ratio Lower Upper

92 100

91 174.6 138.3 207.5



#53

t-1,3-Dichloropropene

Concen: 2.515 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VX033343.D

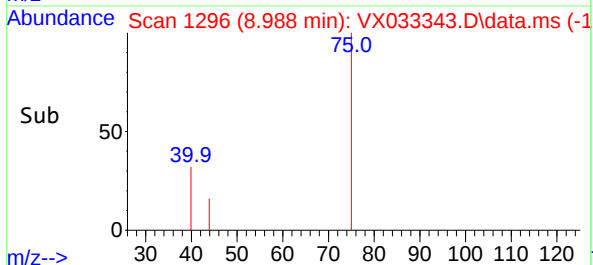
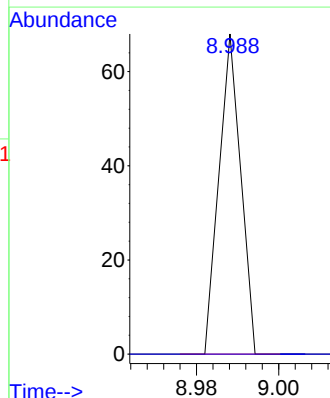
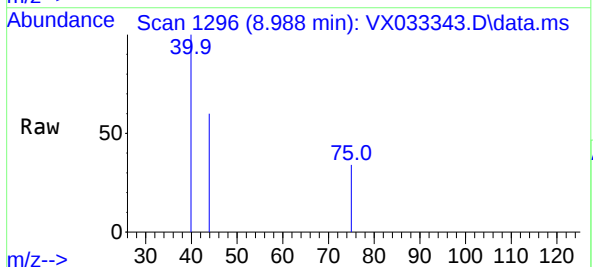
Acq: 09 Dec 2022 13:31

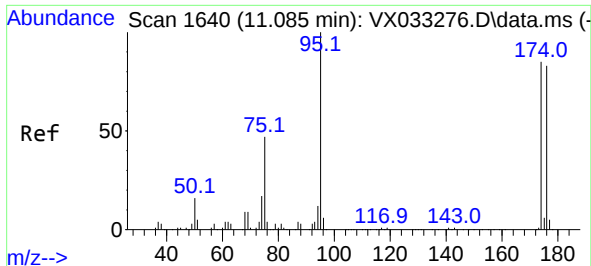
Tgt Ion: 75 Resp: 25

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

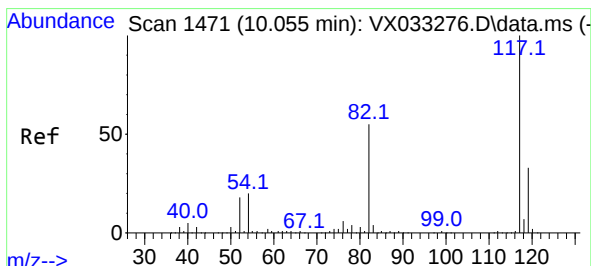
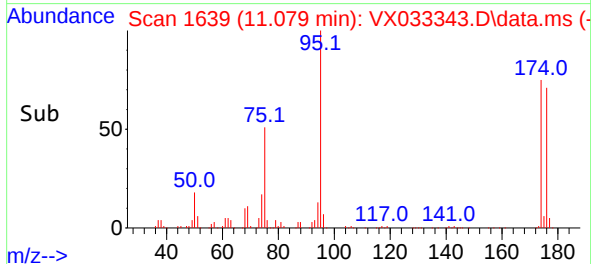
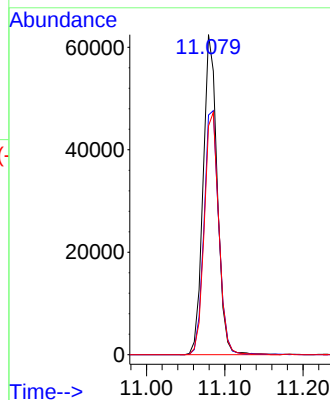
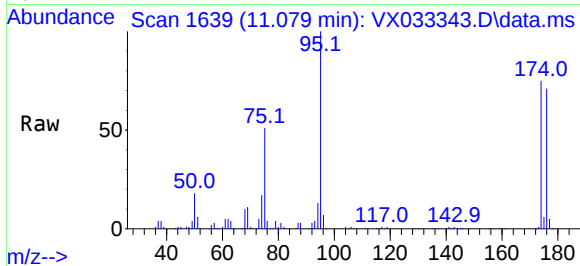




#62
4-Bromofluorobenzene
Concen: 46.928 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

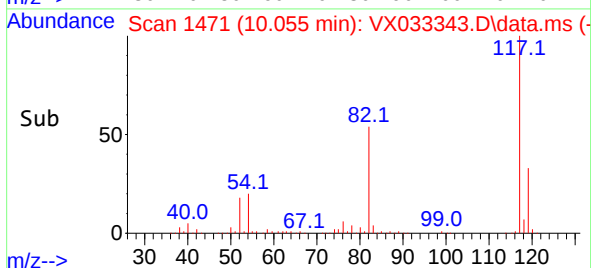
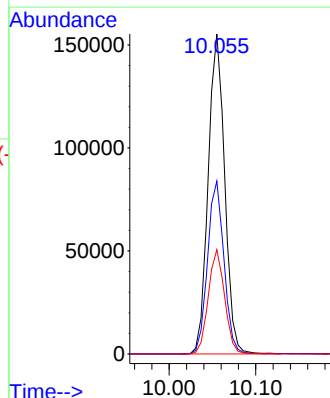
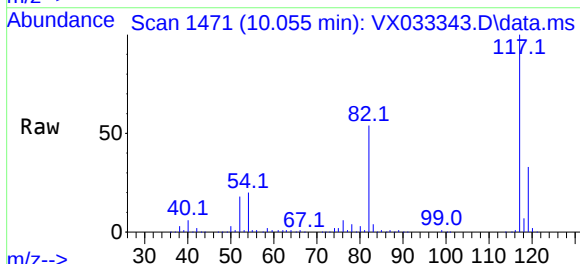
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

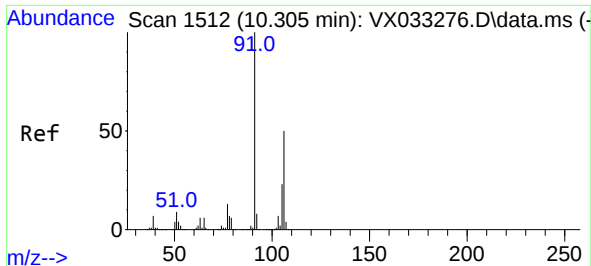
Tgt Ion: 95 Resp: 78012
Ion Ratio Lower Upper
95 100
174 79.5 0.0 164.0
176 77.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 117 Resp: 205817
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.6 25.7 38.5

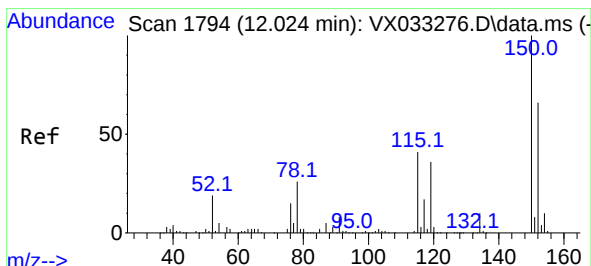
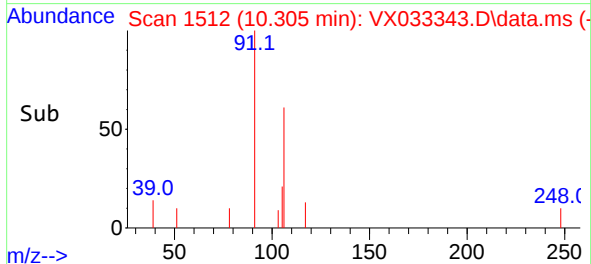
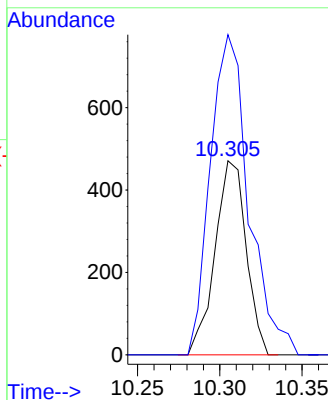
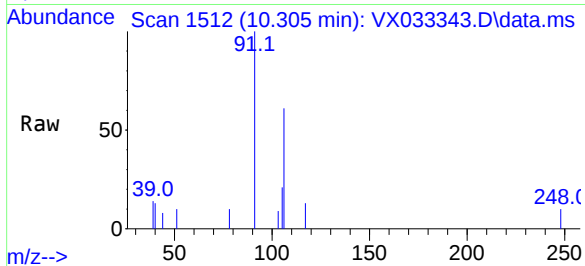




#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

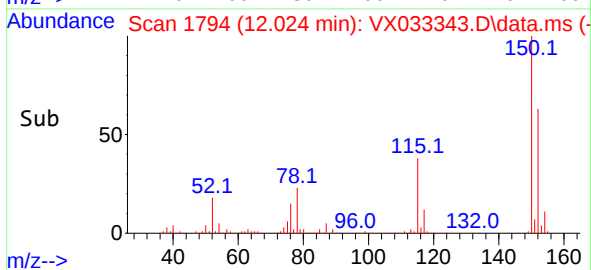
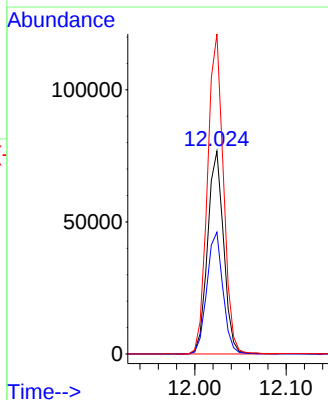
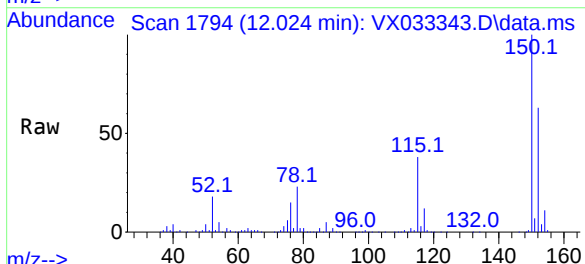
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

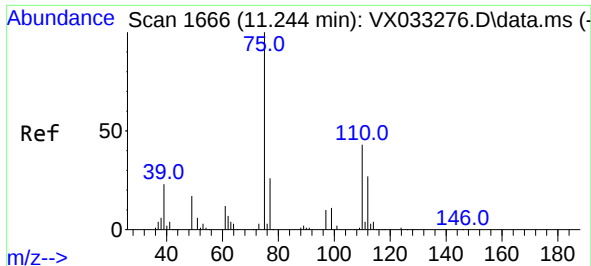
Tgt Ion:106 Resp: 620
Ion Ratio Lower Upper
106 100
91 203.7 164.5 246.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion:152 Resp: 93255
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 156.9 0.0 351.8

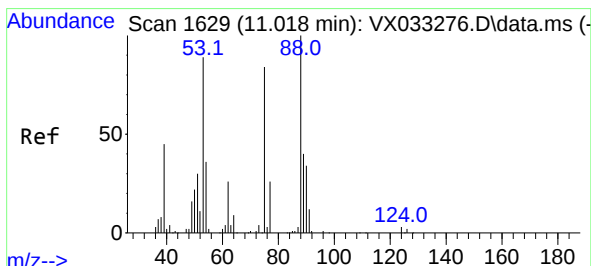
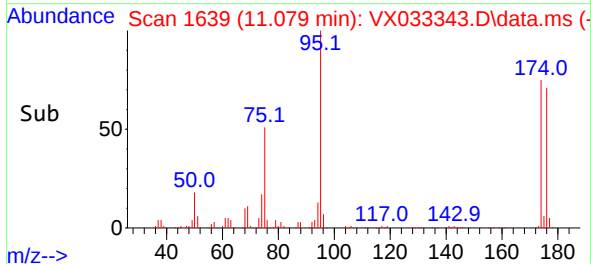
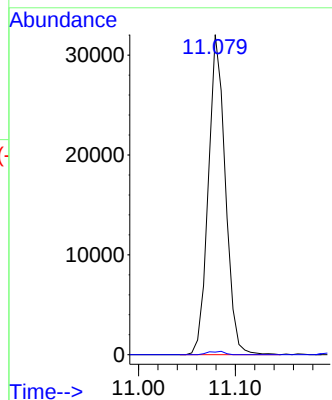
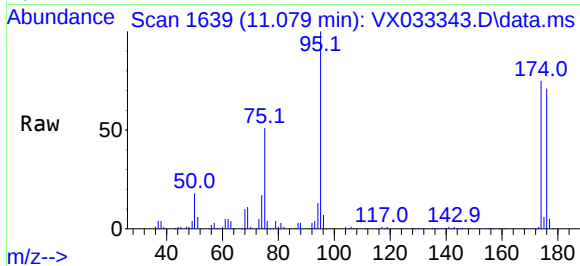




#76
1,2,3-Trichloropropane
Concen: 20.690 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

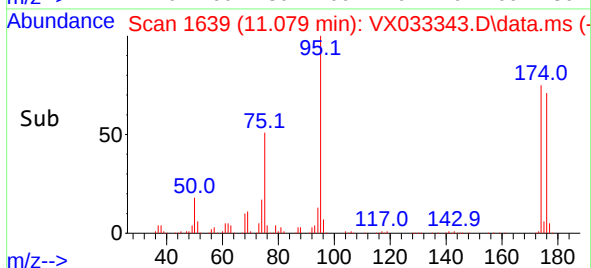
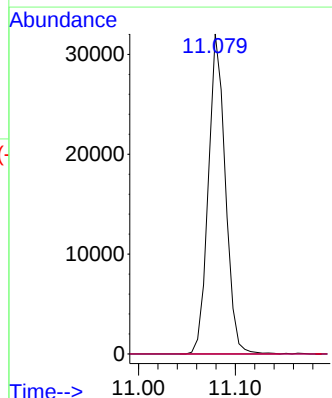
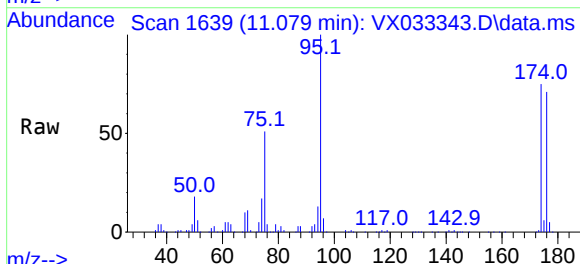
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

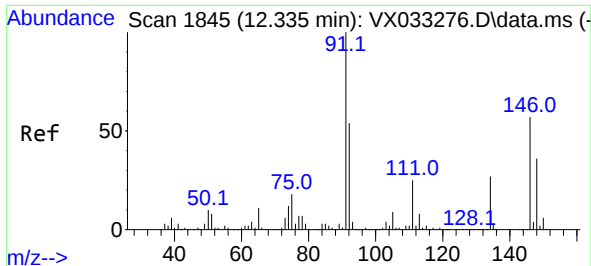
Tgt Ion: 75 Resp: 39255
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.360 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

Tgt Ion: 75 Resp: 39255
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

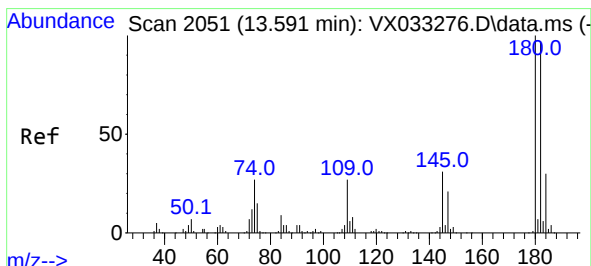
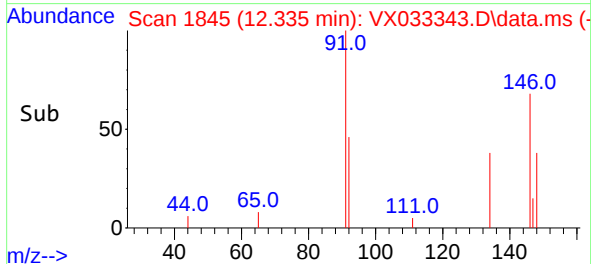
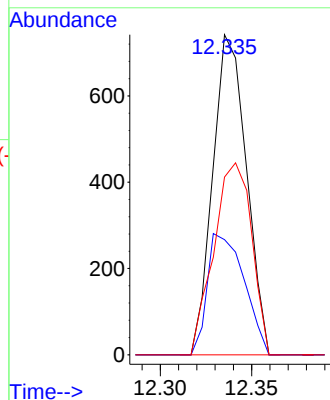
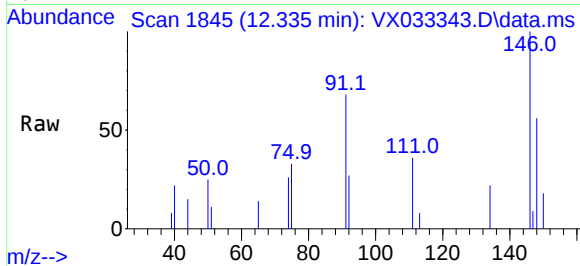




#91
1,2-Dichlorobenzene
Concen: 0.308 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

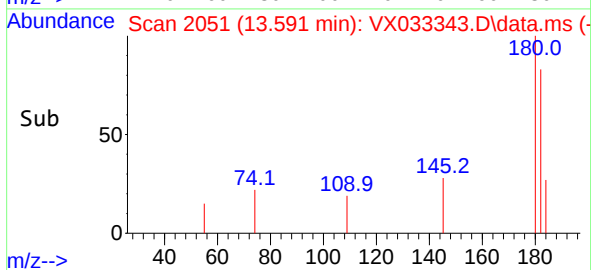
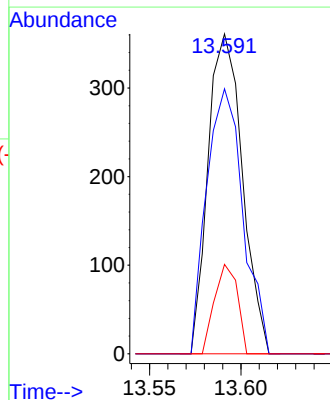
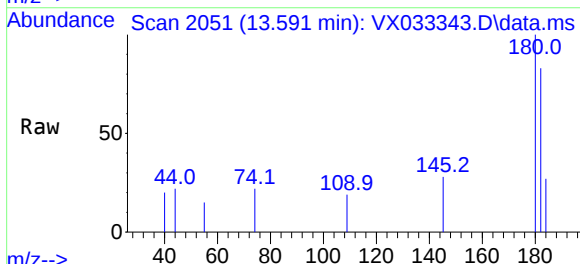
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722

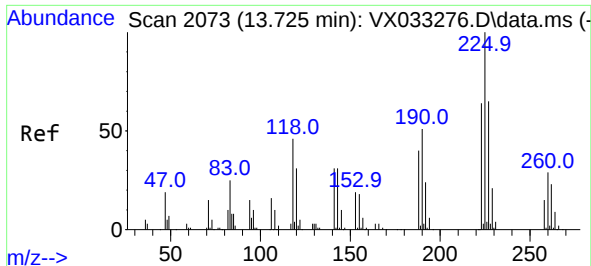
Tgt Ion:	146	Resp:	951
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.5	64.5
148	67.4	32.0	96.2



#93
1,2,4-Trichlorobenzene
Concen: 0.253 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

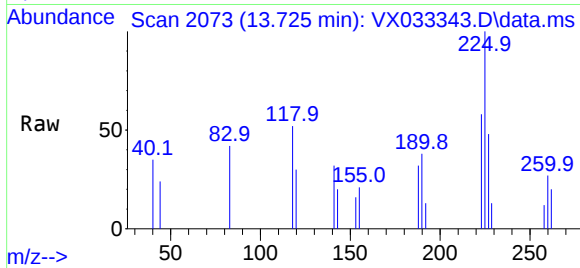
Tgt Ion:	180	Resp:	472
Ion	Ratio	Lower	Upper
180	100		
182	88.1	48.4	145.0
145	18.6	16.2	48.5



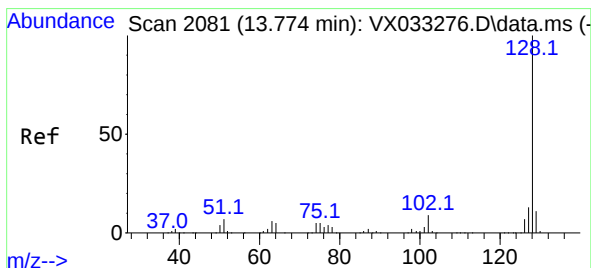
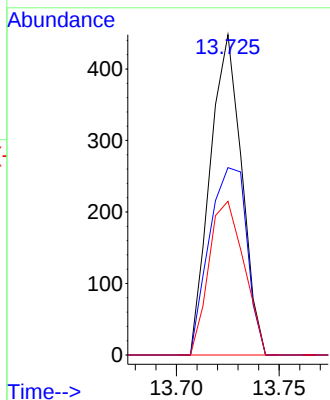
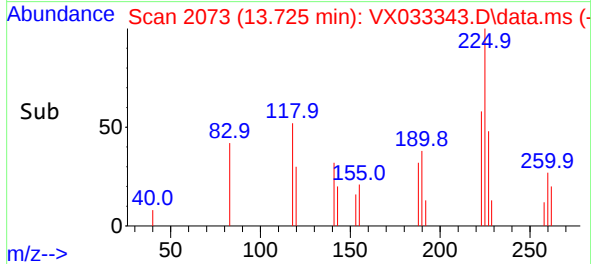


#94
Hexachlorobutadiene
Concen: 0.641 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31

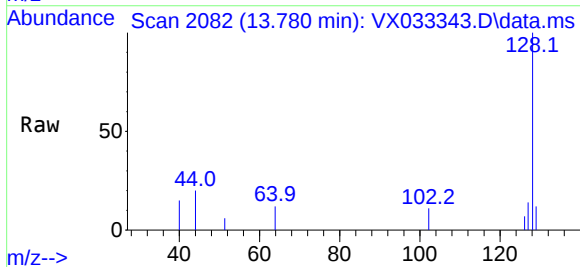
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-95-105-120722



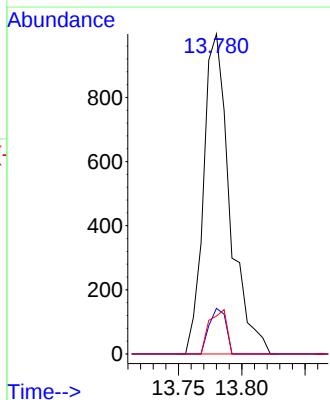
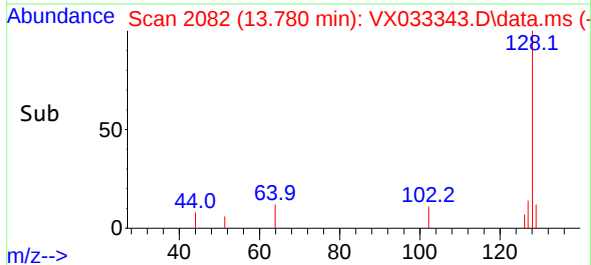
Tgt Ion:225 Resp: 479
Ion Ratio Lower Upper
225 100
223 69.9 31.9 95.9
227 53.4 31.9 95.5

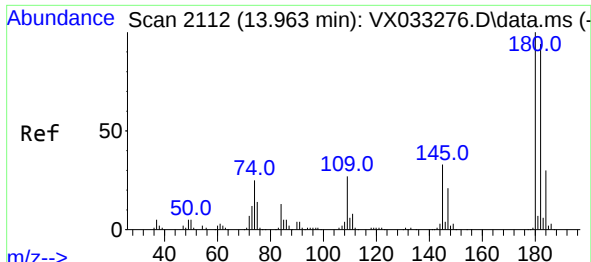


#95
Naphthalene
Concen: 0.232 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033343.D
Acq: 09 Dec 2022 13:31



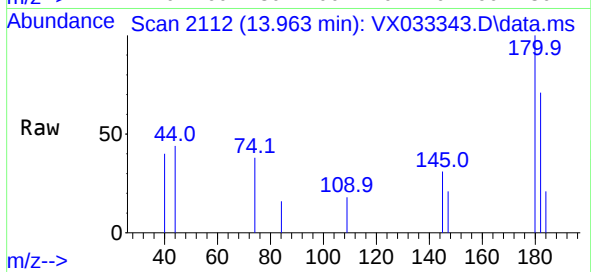
Tgt Ion:128 Resp: 1442
Ion Ratio Lower Upper
128 100
127 9.0 10.2 15.4#
129 9.2 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX033343.D
 Acq: 09 Dec 2022 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-95-105-120722



Tgt Ion:	180	Resp:	421
Ion	Ratio	Lower	Upper
180	100		
182	99.8	47.5	142.6
145	27.3	16.9	50.6

