

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040723\
 Data File : VX034980.D
 Acq On : 07 Apr 2023 19:40
 Operator : JC/MD
 Sample : 02247-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10D

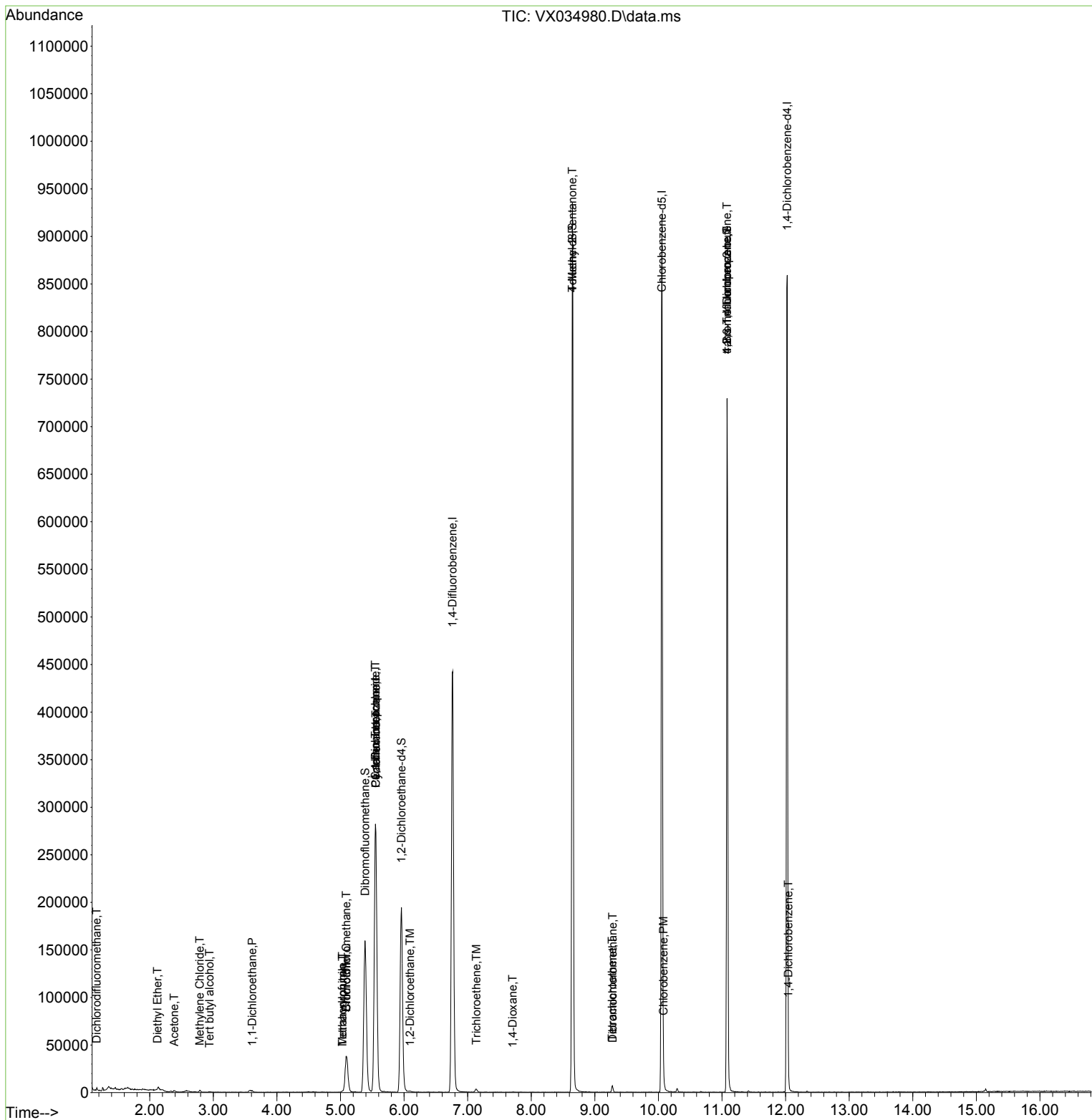
Quant Time: Apr 08 01:00:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

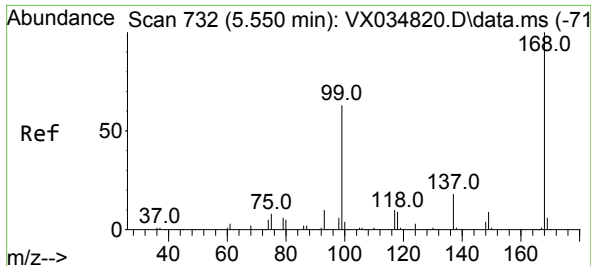
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	255975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	441636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191353	48.880	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.760%
35) Dibromofluoromethane	5.385	113	138887	47.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.100%
50) Toluene-d8	8.647	98	529961	49.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.300%
62) 4-Bromofluorobenzene	11.079	95	200062	47.950	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1092	0.428	ug/l	97
8) Diethyl Ether	2.124	74	600	0.334	ug/l #	1
11) Tert butyl alcohol	2.941	59	415	0.604	ug/l #	73
16) Acetone	2.386	43	1573	0.989	ug/l #	74
20) Methylene Chloride	2.788	84	852	0.271	ug/l #	81
24) 1,1-Dichloroethane	3.611	63	1693	0.303	ug/l #	81
28) Bromochloromethane	5.093	49	4002	1.464	ug/l #	15
29) Tetrahydrofuran	5.032	42	1116	0.770	ug/l #	74
30) Chloroform	5.093	83	46565	8.203	ug/l	96
31) Cyclohexane	5.556	56	6120	1.284	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	22897	5.291	ug/l #	50
38) Carbon Tetrachloride	5.550	117	28809	7.061	ug/l #	16
41) Methacrylonitrile	5.032	41	774	0.315	ug/l #	32
42) 1,2-Dichloroethane	6.092	62	1007	0.204	ug/l #	75
44) Trichloroethene	7.135	130	1340	0.423	ug/l	94
49) 1,4-Dioxane	7.708	88	98	1.279	ug/l #	72
51) 4-Methyl-2-Pentanone	8.647	43	2690	0.600	ug/l #	1
60) Dibromochloromethane	9.281	129	1173	0.402	ug/l #	10
64) Tetrachloroethene	9.275	164	1222	0.433	ug/l #	91
65) Chlorobenzene	10.080	112	3086	0.376	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	107209	30.229	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	107209	90.595	ug/l #	8
88) 1,4-Dichlorobenzene	12.043	146	1410	0.232	ug/l #	41

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

Quant Time: Apr 08 01:00:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

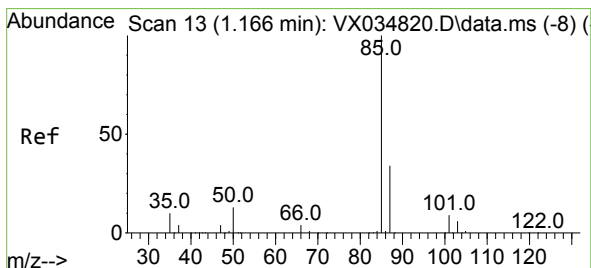
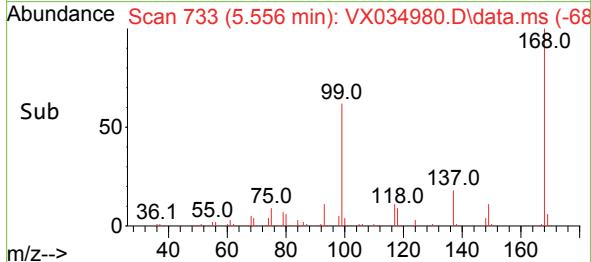
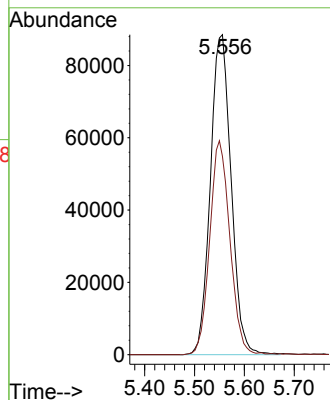
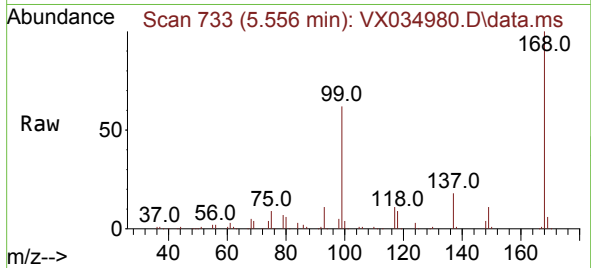




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

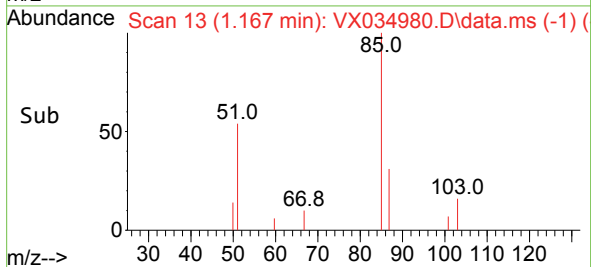
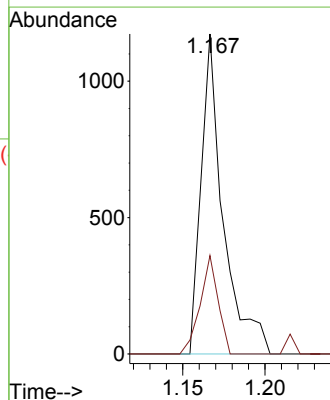
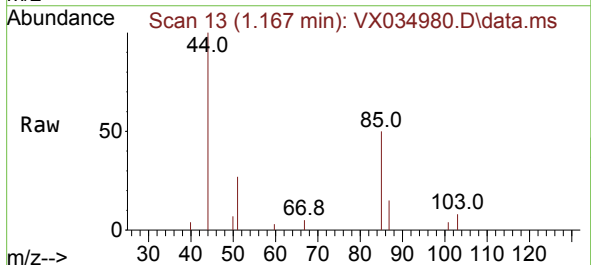
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

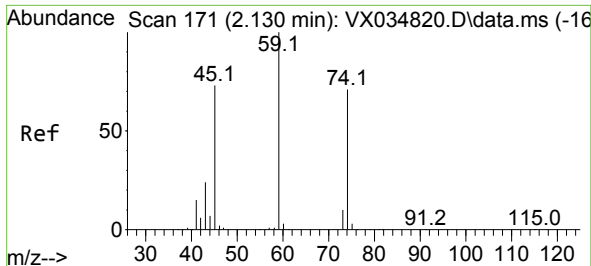
Tgt Ion:168 Resp: 255975
Ion Ratio Lower Upper
168 100
99 62.0 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.428 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 85 Resp: 1092
Ion Ratio Lower Upper
85 100
87 30.8 16.4 49.1

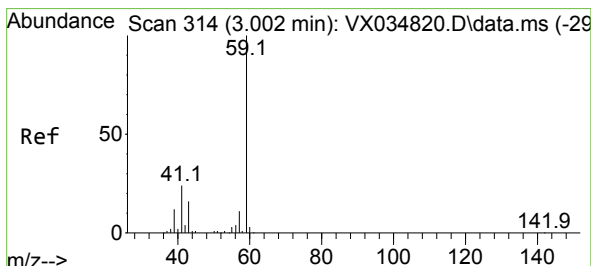
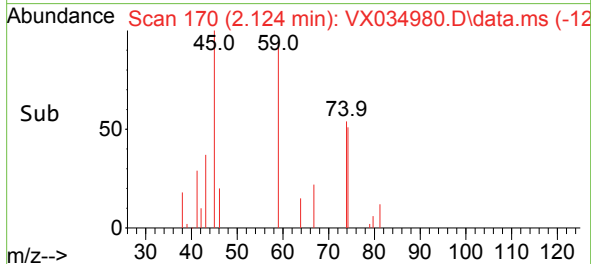
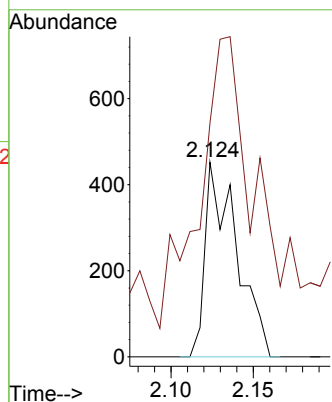
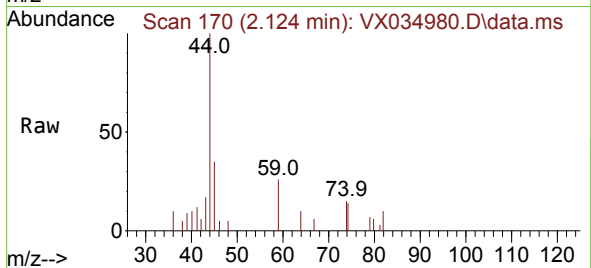




#8
Diethyl Ether
Concen: 0.334 ug/l
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

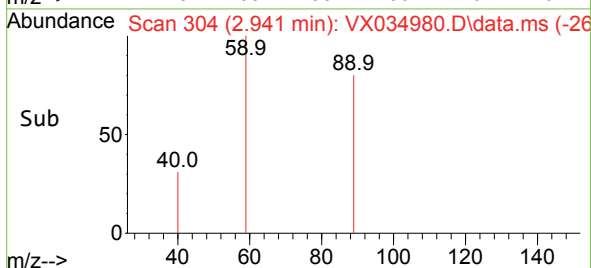
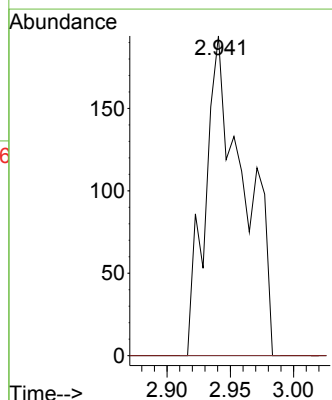
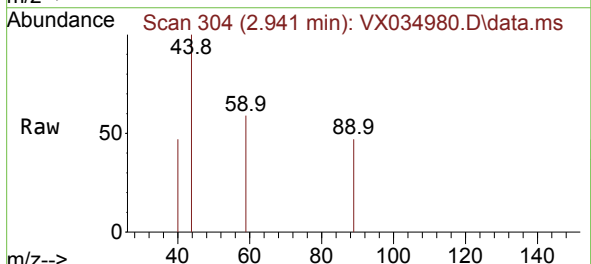
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

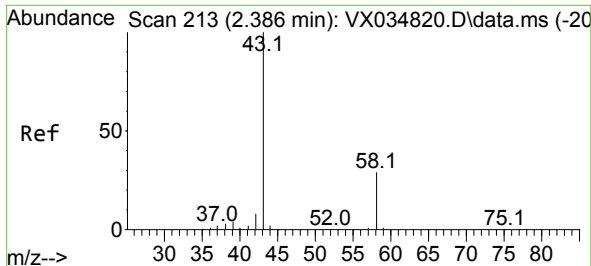
Tgt Ion: 74 Resp: 600
Ion Ratio Lower Upper
74 100
45 278.7 49.8 149.3#



#11
Tert butyl alcohol
Concen: 0.604 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.061 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 59 Resp: 415
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 0.989 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX034980.D

Acq: 07 Apr 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

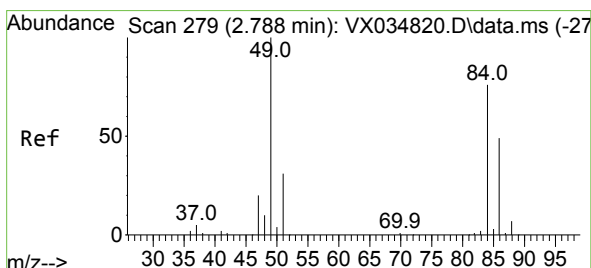
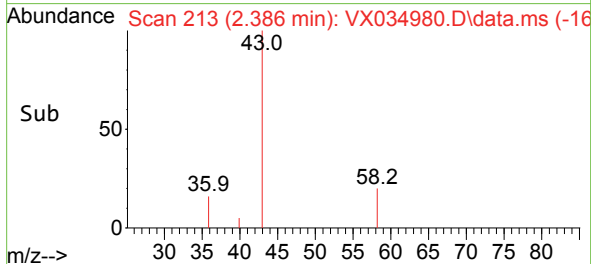
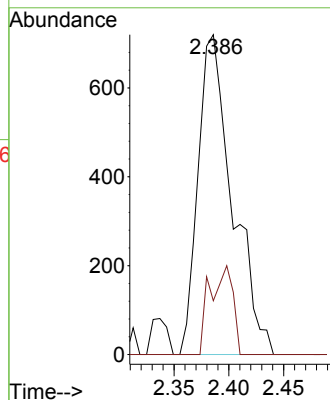
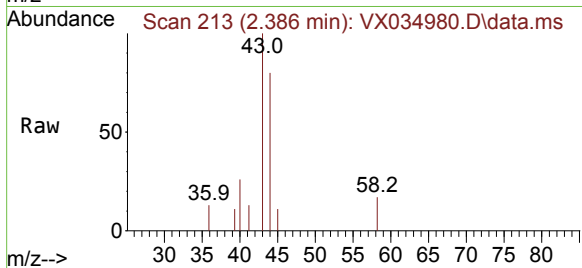
PK-10D

Tgt Ion: 43 Resp: 1573

Ion Ratio Lower Upper

43 100

58 16.8 24.7 37.1#



#20

Methylene Chloride

Concen: 0.271 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX034980.D

Acq: 07 Apr 2023 19:40

Tgt Ion: 84 Resp: 852

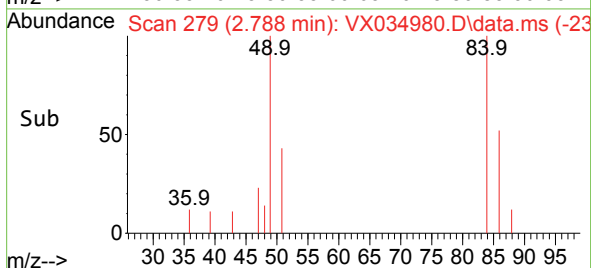
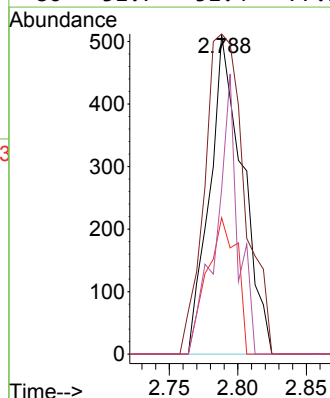
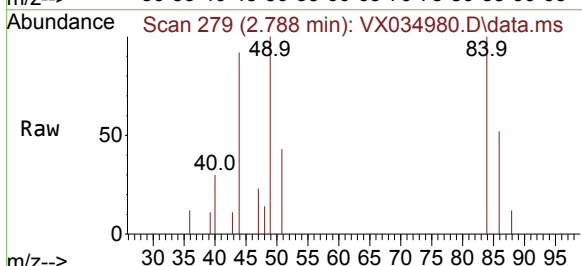
Ion Ratio Lower Upper

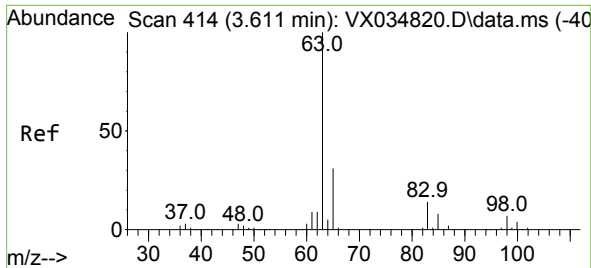
84 100

49 100.2 103.8 155.8#

51 42.7 31.8 47.8

86 51.7 51.4 77.2

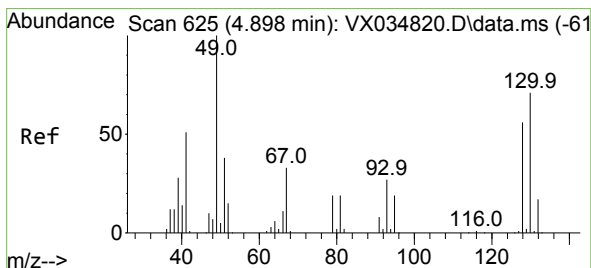
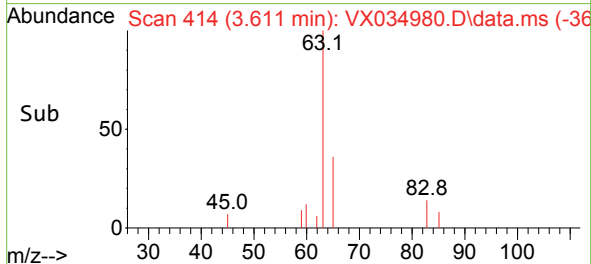
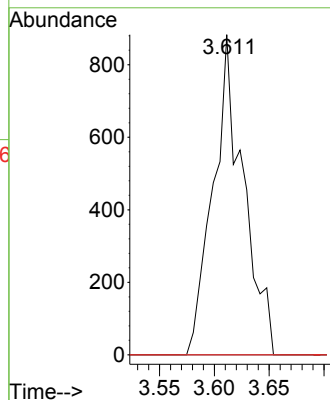
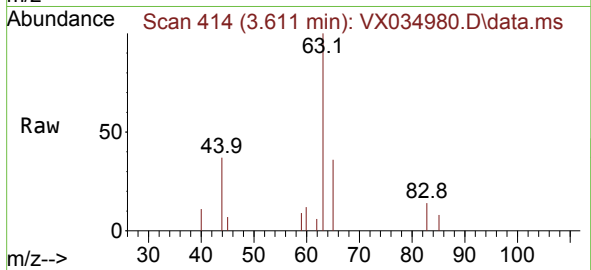




#24
1,1-Dichloroethane
Concen: 0.303 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

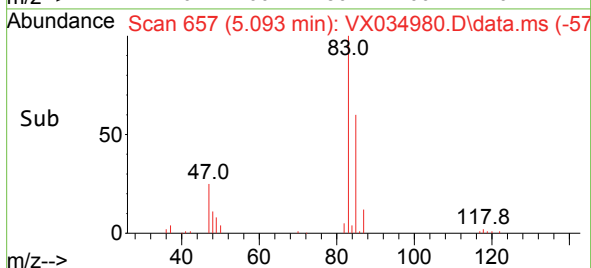
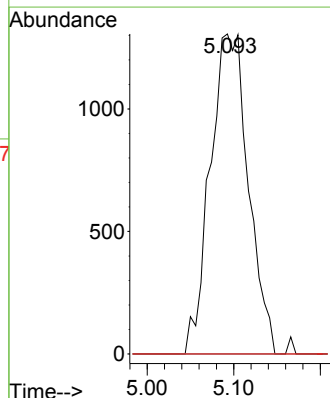
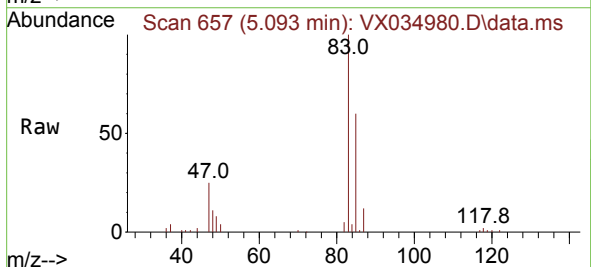
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

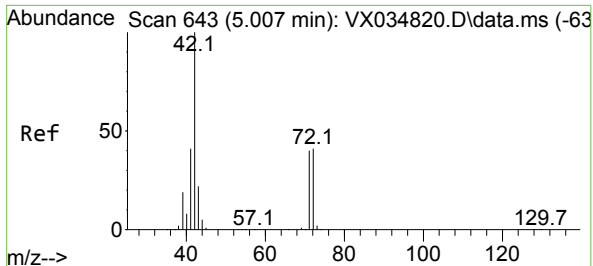
Tgt Ion: 63 Resp: 1693
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.4 7.1#



#28
Bromochloromethane
Concen: 1.464 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 49 Resp: 4002
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#





#29

Tetrahydrofuran

Concen: 0.770 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX034980.D

Acq: 07 Apr 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

PK-10D

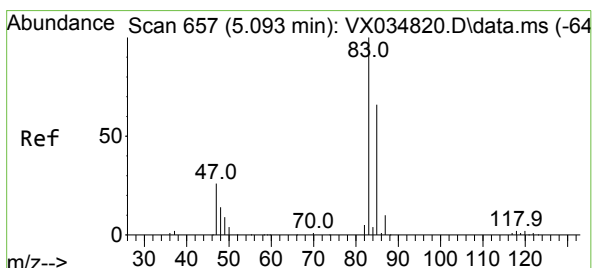
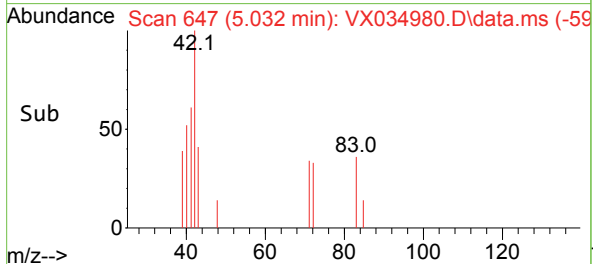
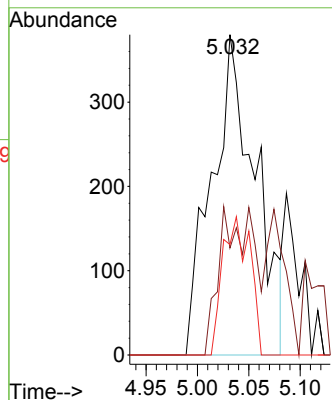
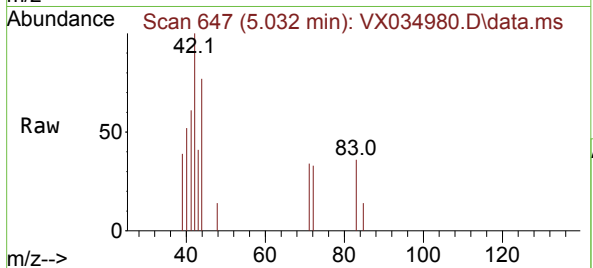
Tgt Ion: 42 Resp: 1116

Ion Ratio Lower Upper

42 100

72 23.5 34.5 51.7#

71 27.2 32.1 48.1#



#30

Chloroform

Concen: 8.203 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX034980.D

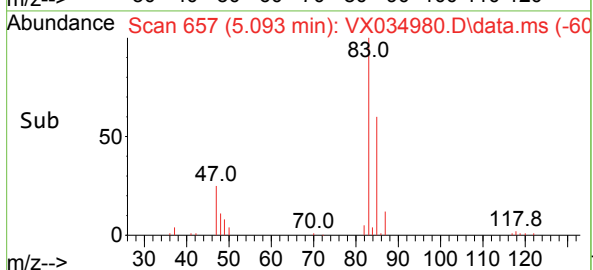
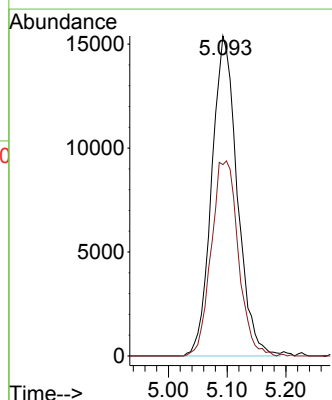
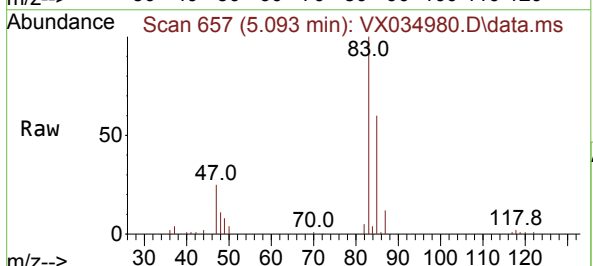
Acq: 07 Apr 2023 19:40

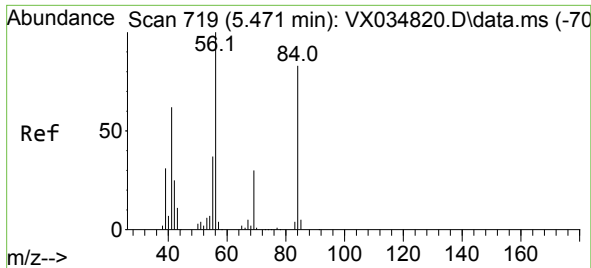
Tgt Ion: 83 Resp: 46565

Ion Ratio Lower Upper

83 100

85 59.8 50.6 76.0

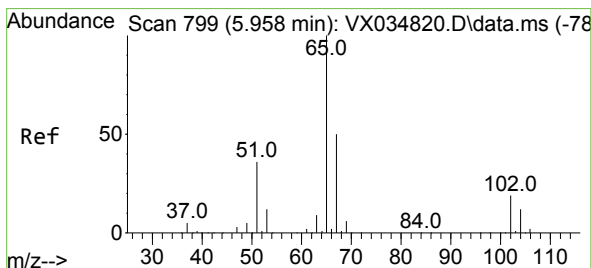
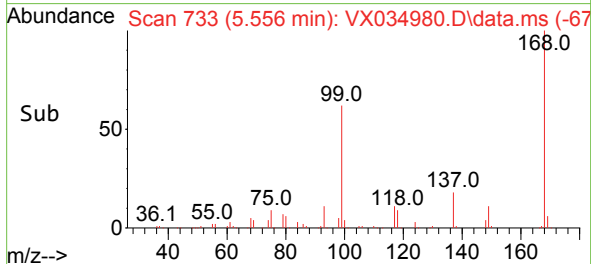
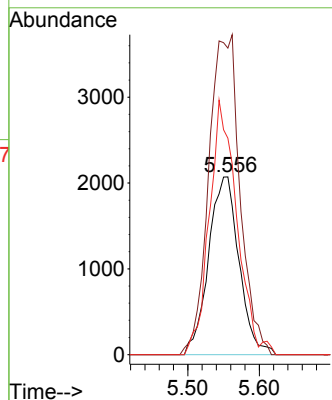
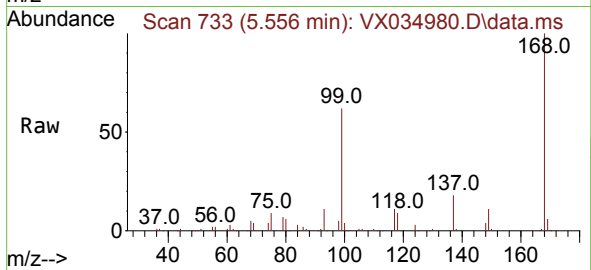




#31
Cyclohexane
Concen: 1.284 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

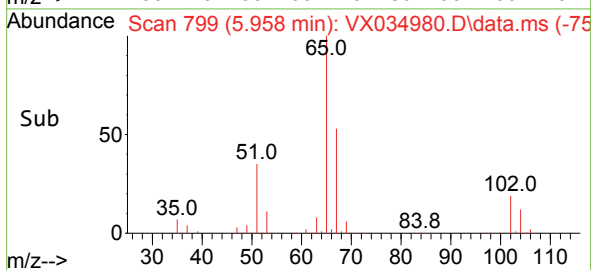
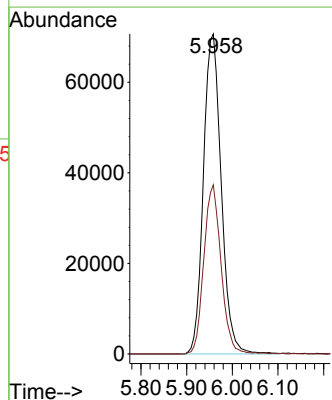
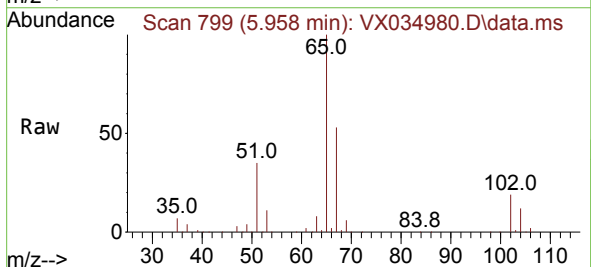
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

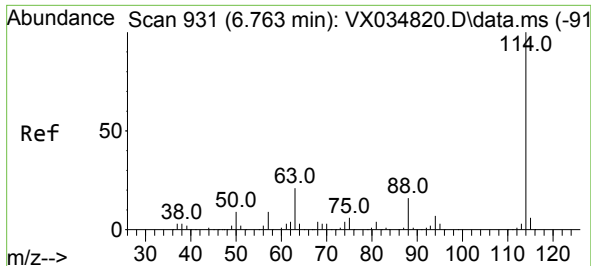
Tgt Ion: 56 Resp: 6120
Ion Ratio Lower Upper
56 100
69 172.4 23.7 35.5#
84 121.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.880 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 65 Resp: 191353
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

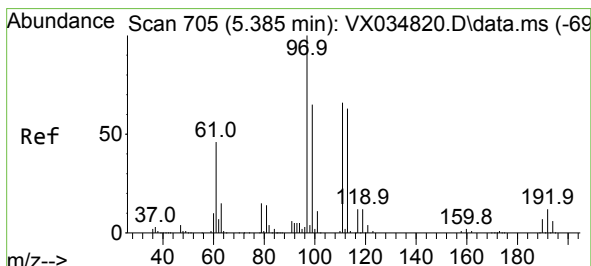
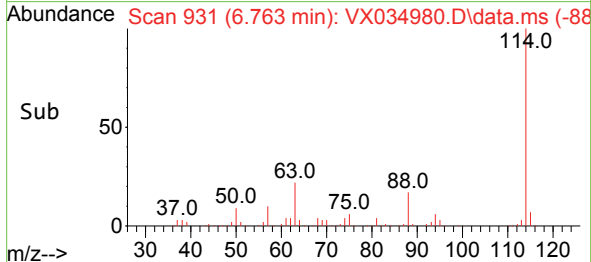
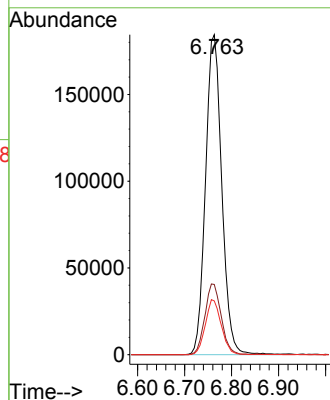
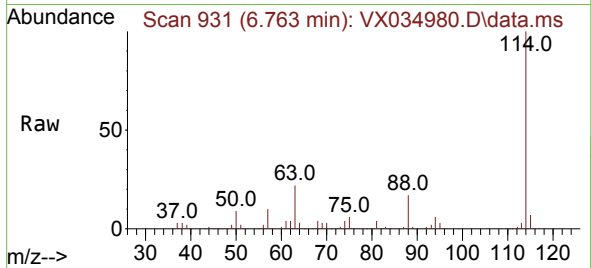




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

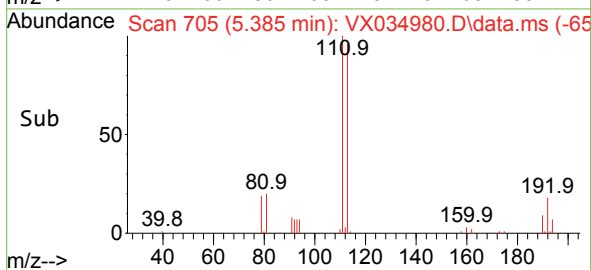
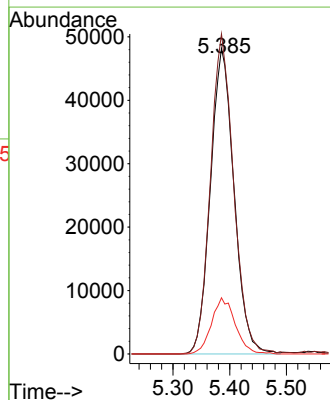
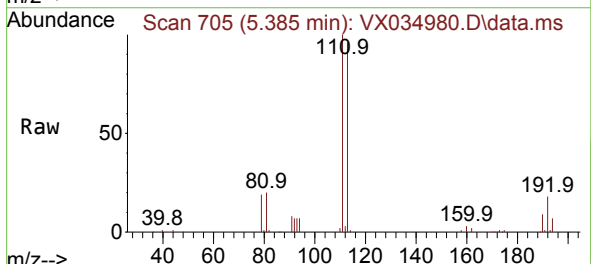
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

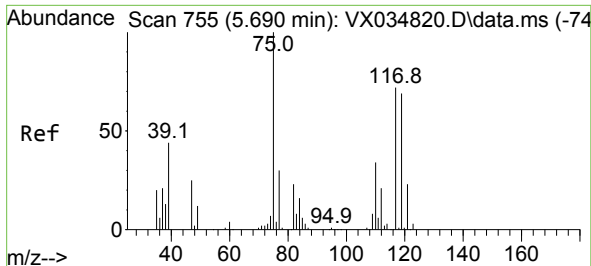
Tgt Ion:114 Resp: 441636
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.2
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.547 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion:113 Resp: 138887
Ion Ratio Lower Upper
113 100
111 103.5 83.7 125.5
192 18.6 15.4 23.2

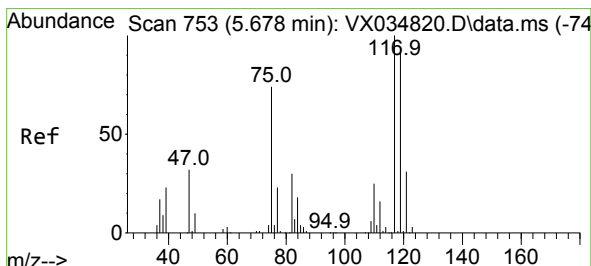
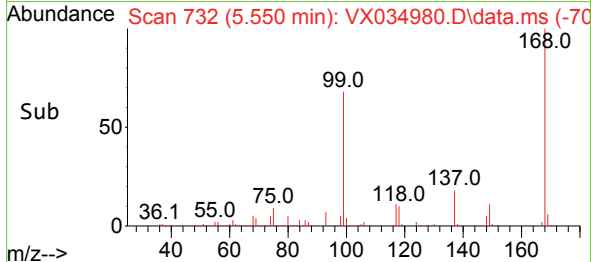
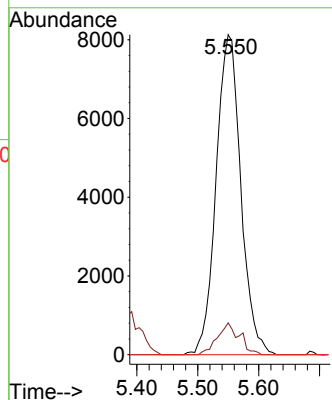
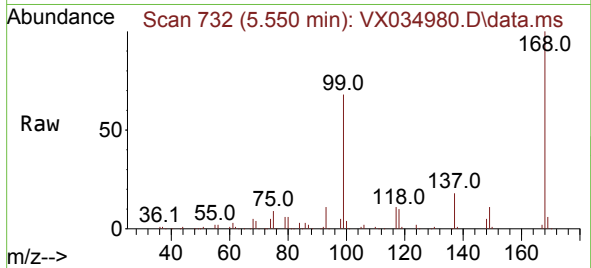




#36
1,1-Dichloropropene
Concen: 5.291 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

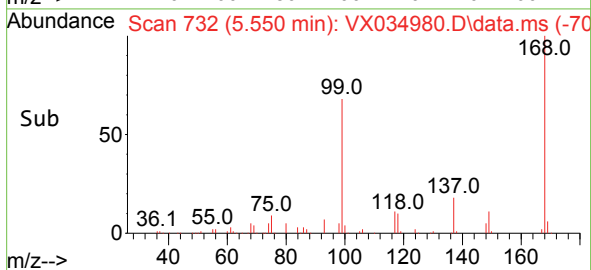
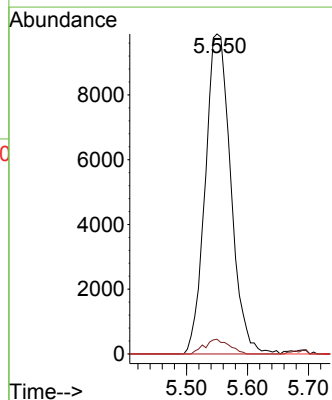
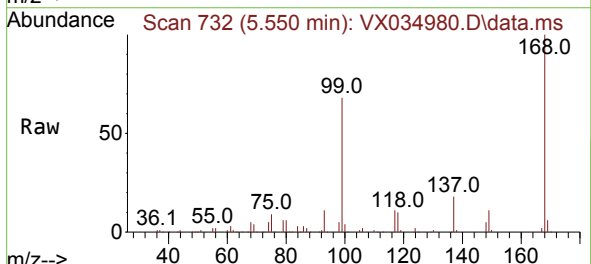
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

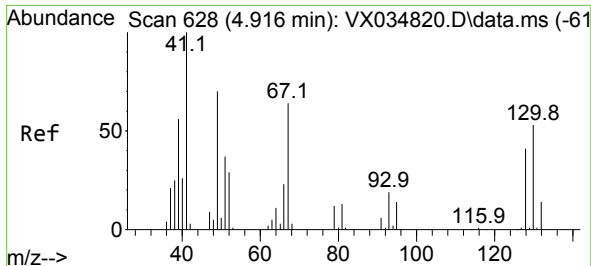
Tgt Ion: 75 Resp: 22897
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 7.061 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 117 Resp: 28809
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#

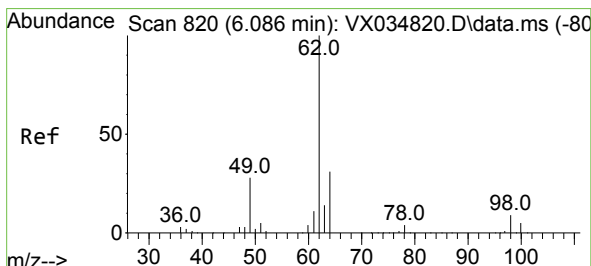
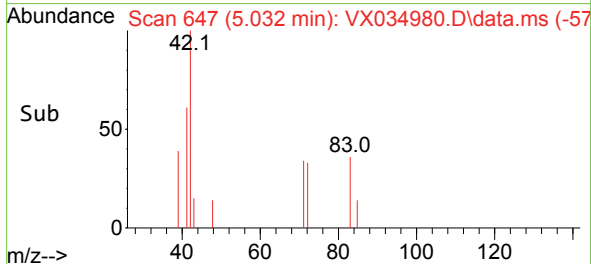
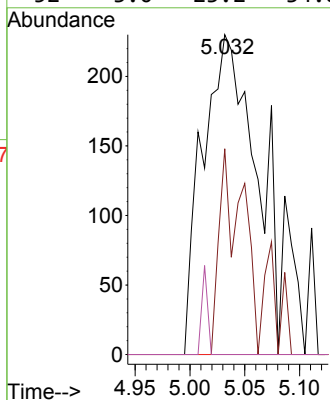
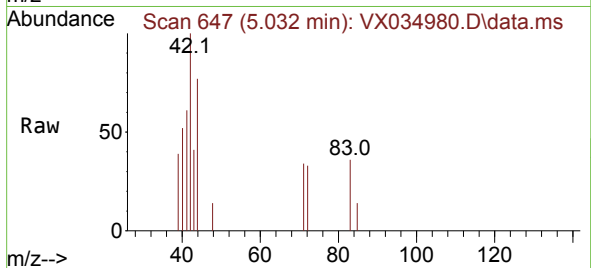




#41
Methacrylonitrile
Concen: 0.315 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

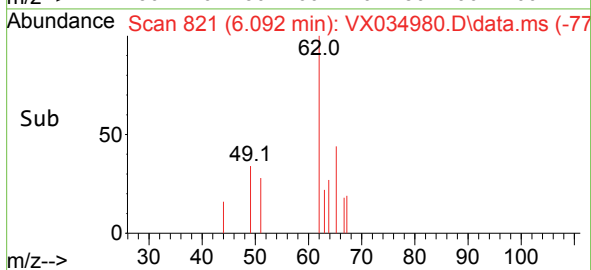
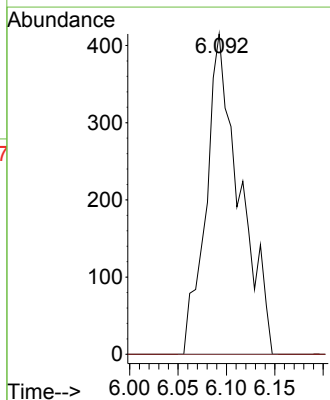
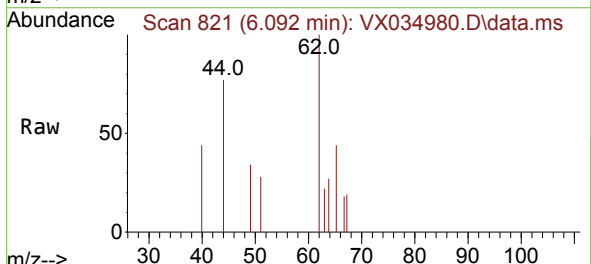
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

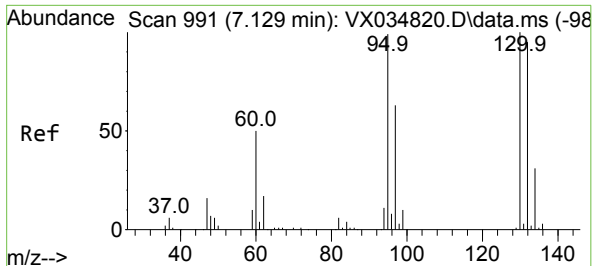
Tgt Ion:	41	Resp:	774
Ion	Ratio	Lower	Upper
41	100		
39	14.1	45.0	67.6#
67	0.0	55.6	83.4#
52	3.0	23.2	34.8#



#42
1,2-Dichloroethane
Concen: 0.204 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion:	62	Resp:	1007
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.0

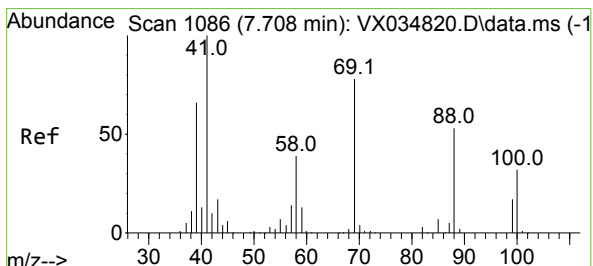
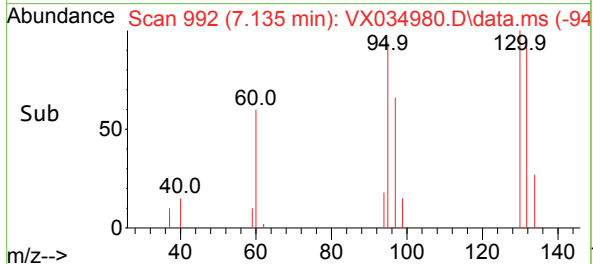
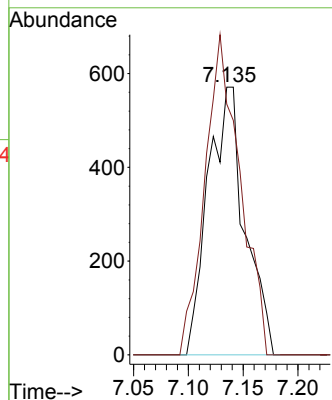
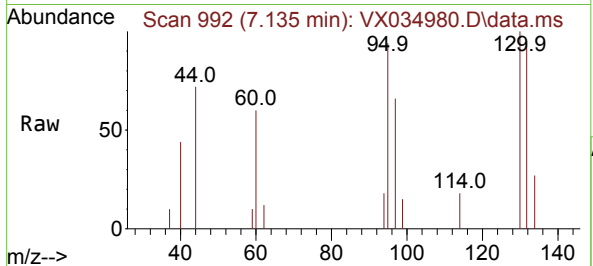




#44
Trichloroethene
Concen: 0.423 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

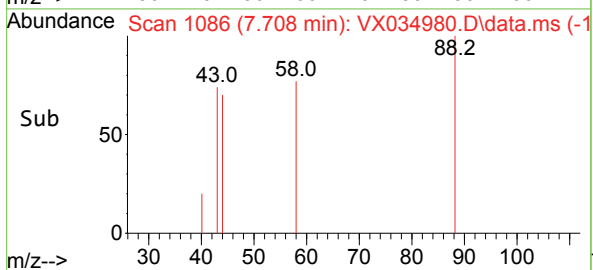
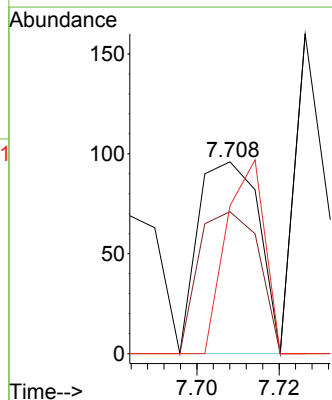
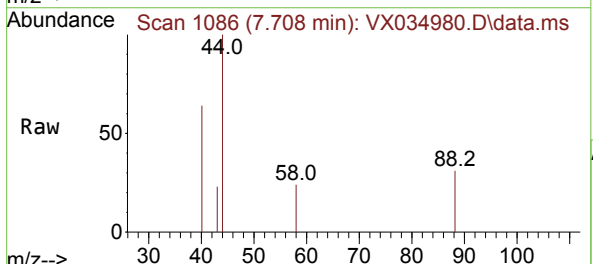
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

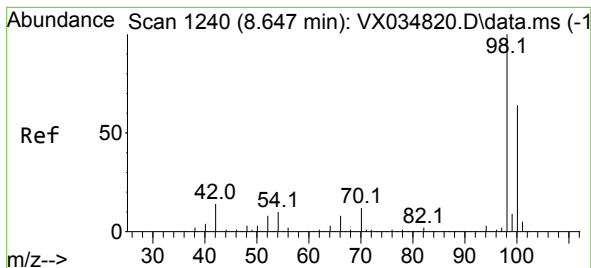
Tgt Ion:130 Resp: 1340
Ion Ratio Lower Upper
130 100
95 93.7 0.0 198.4



#49
1,4-Dioxane
Concen: 1.279 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 73.5 27.7 41.5#
58 64.3 56.8 85.2





#50

Toluene-d8

Concen: 49.153 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034980.D

Acq: 07 Apr 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

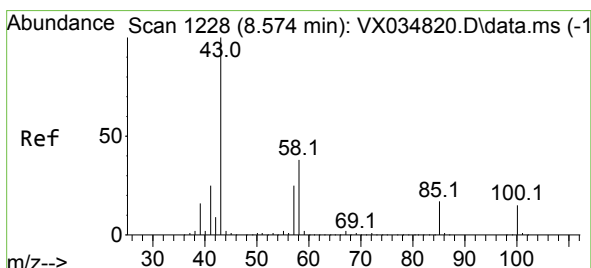
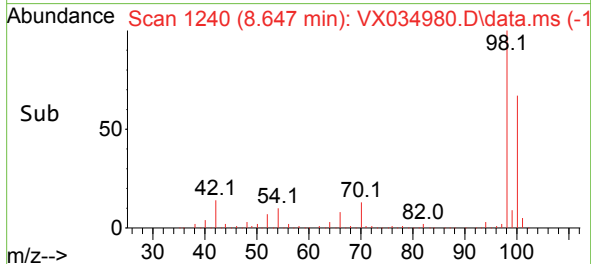
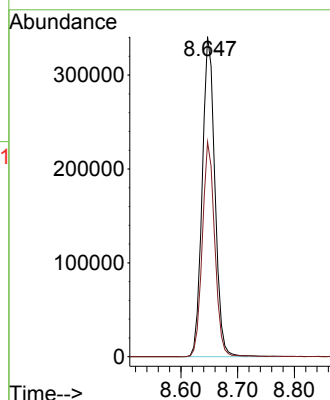
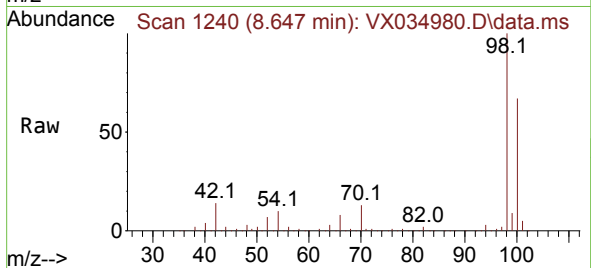
PK-10D

Tgt Ion: 98 Resp: 529961

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.600 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX034980.D

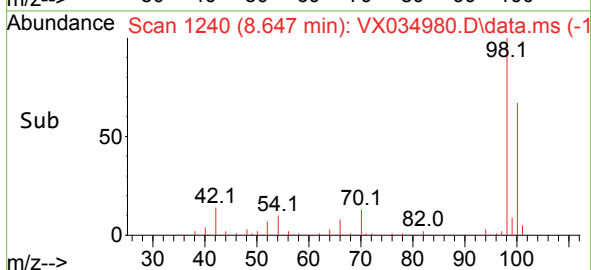
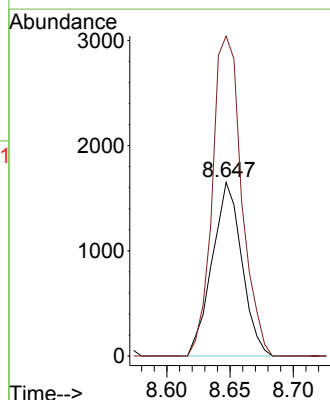
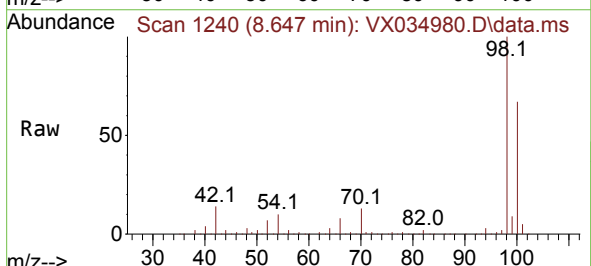
Acq: 07 Apr 2023 19:40

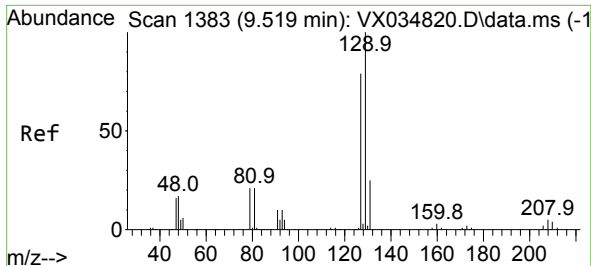
Tgt Ion: 43 Resp: 2690

Ion Ratio Lower Upper

43 100

58 182.1 30.6 46.0#

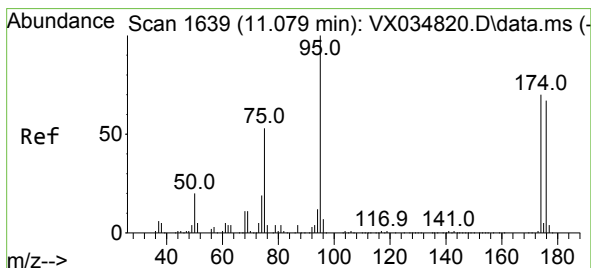
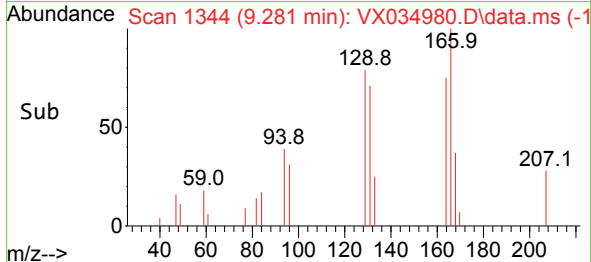
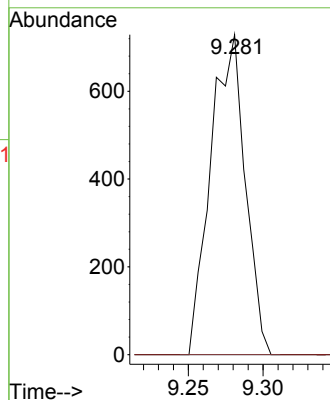
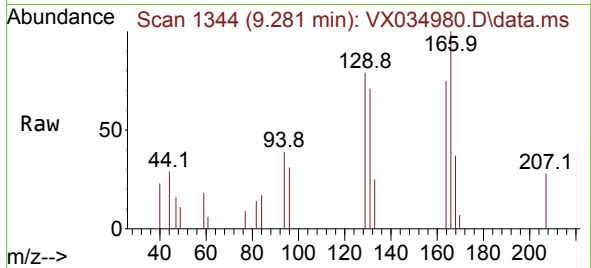




#60
Dibromochloromethane
Concen: 0.402 ug/l
RT: 9.281 min Scan# 1173
Delta R.T. -0.238 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

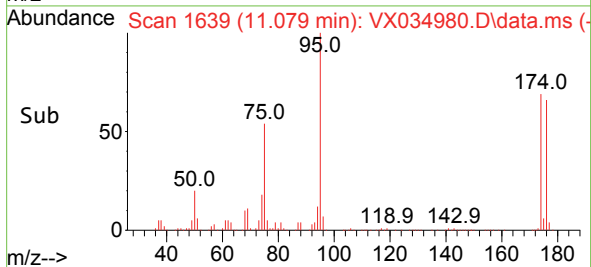
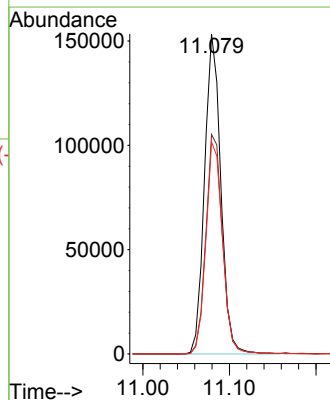
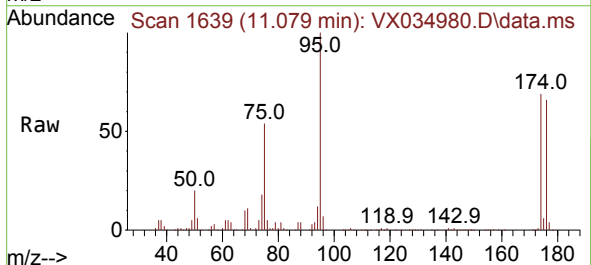
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

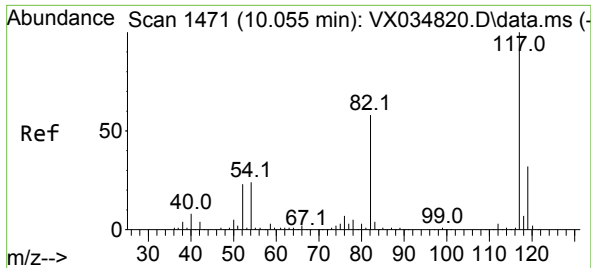
Tgt Ion:129 Resp: 1173
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 47.950 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion: 95 Resp: 200062
Ion Ratio Lower Upper
95 100
174 70.4 0.0 147.4
176 67.8 0.0 140.6

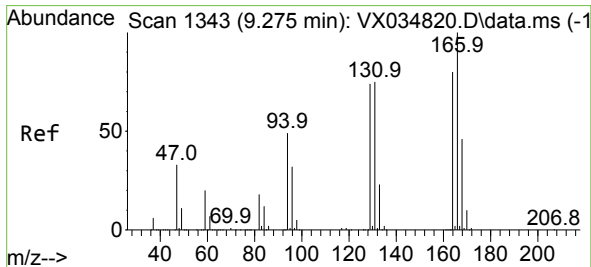
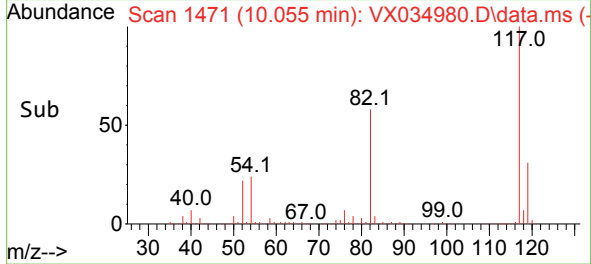
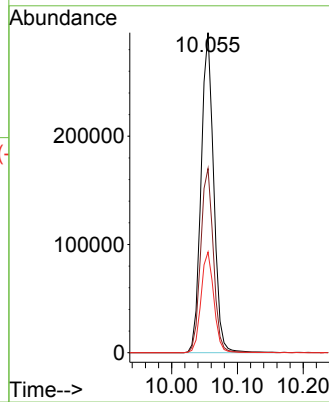
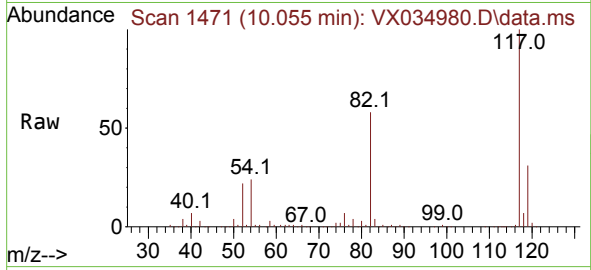




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

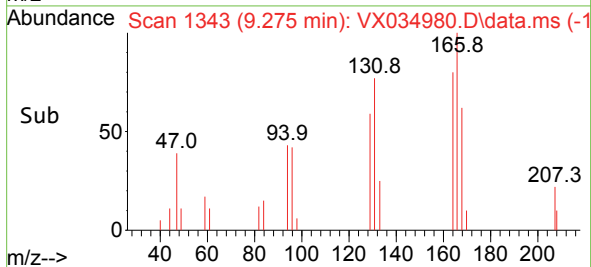
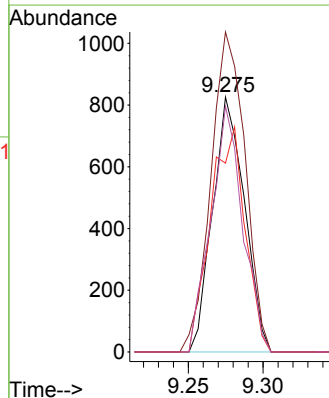
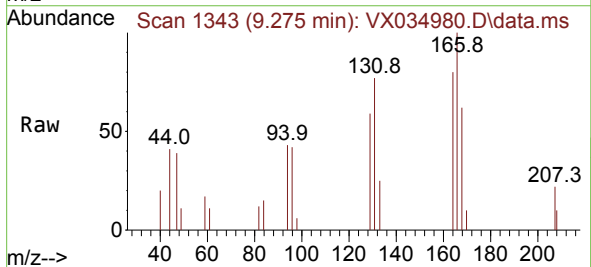
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

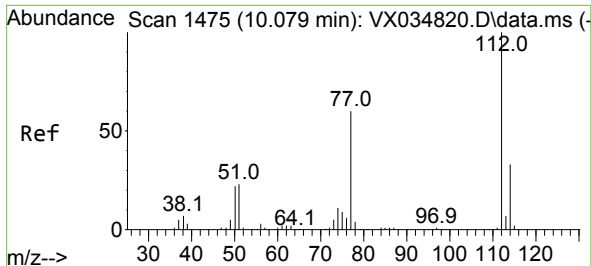
Tgt Ion:117 Resp: 394356
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 31.5 26.0 39.0



#64
Tetrachloroethene
Concen: 0.433 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion:164 Resp: 1222
Ion Ratio Lower Upper
164 100
166 125.5 102.7 154.1
129 74.1 75.6 113.4#
131 96.4 73.7 110.5

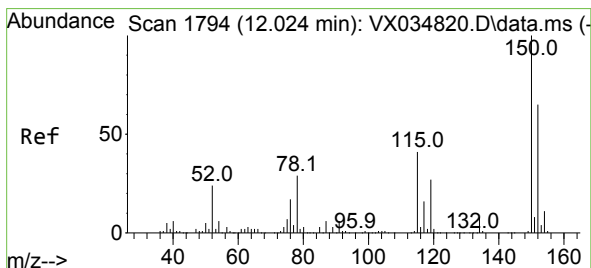
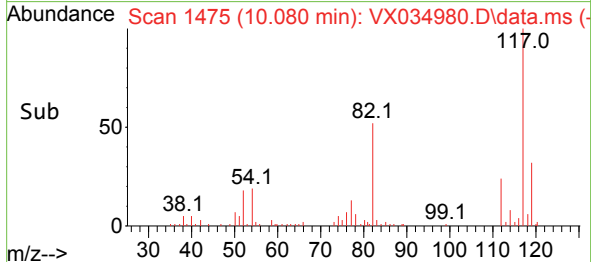
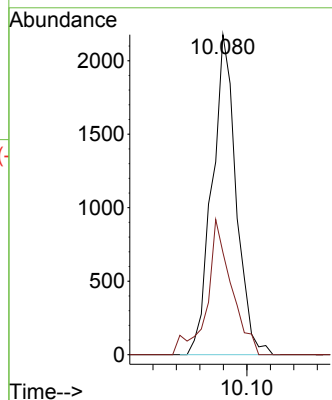
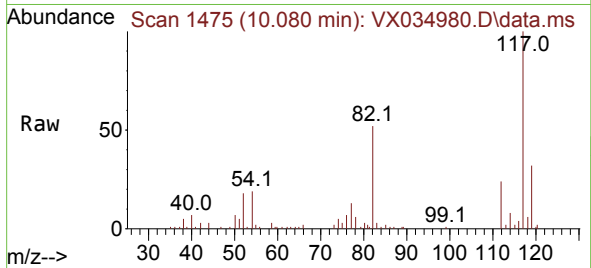




#65
Chlorobenzene
Concen: 0.376 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

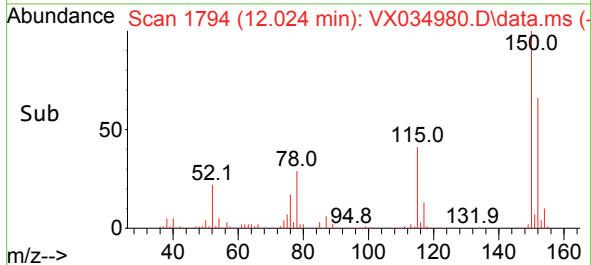
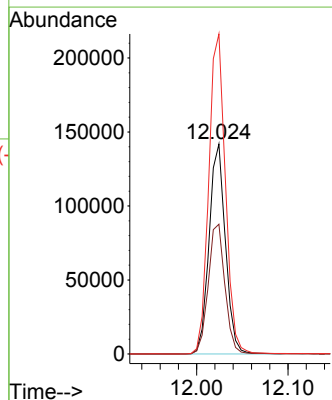
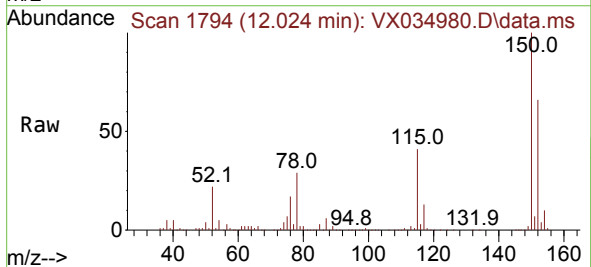
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

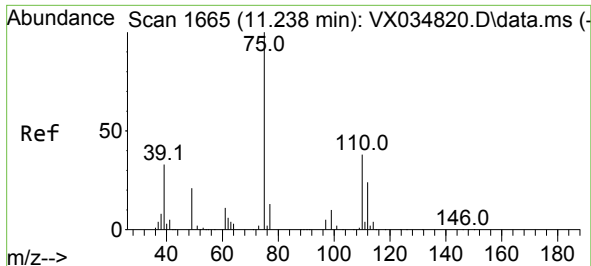
Tgt Ion:112 Resp: 3086
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

Tgt Ion:152 Resp: 176012
Ion Ratio Lower Upper
152 100
115 63.1 45.0 135.0
150 155.3 0.0 352.4

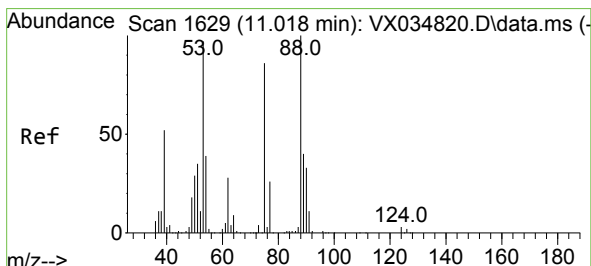
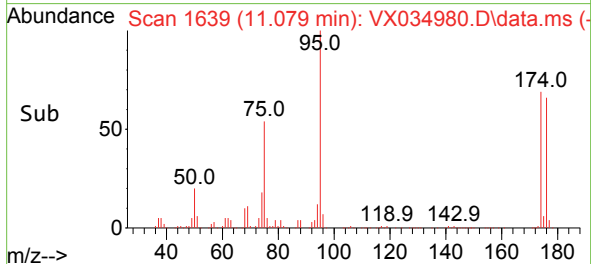
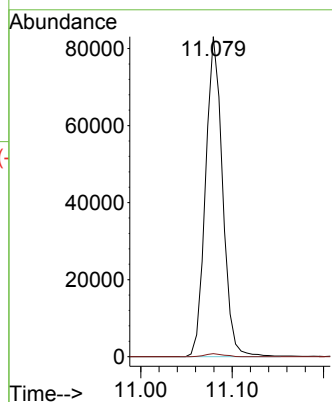
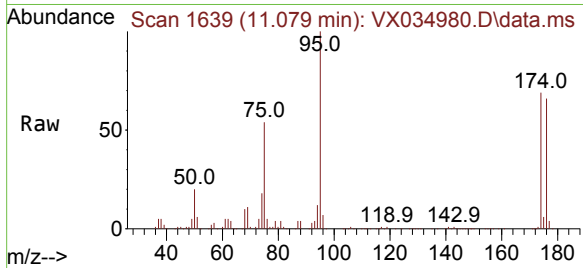




#76
1,2,3-Trichloropropane
Concen: 30.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

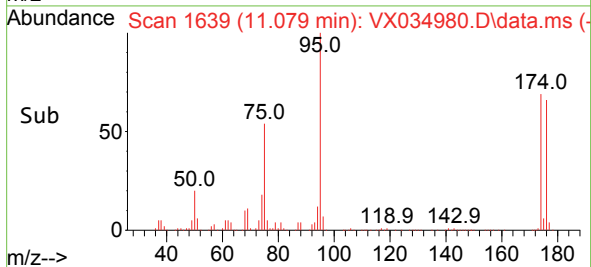
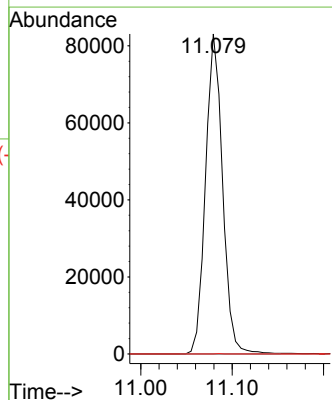
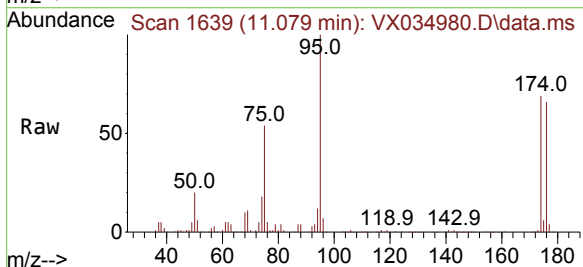
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

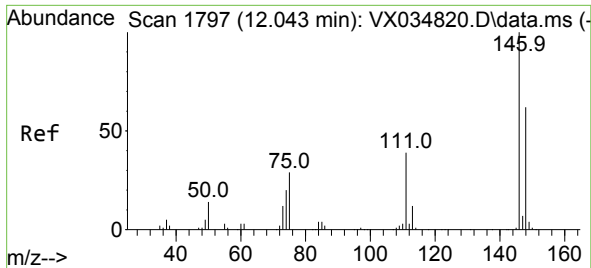
Tgt Ion: 75 Resp: 107209
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.595 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034980.D
Acq: 07 Apr 2023 19:40

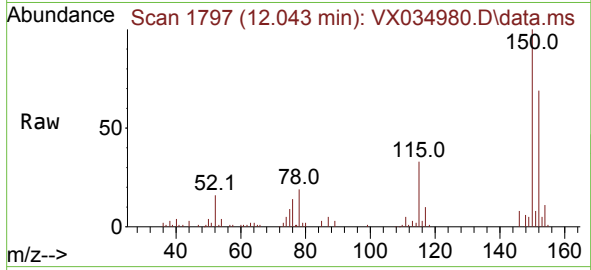
Tgt Ion: 75 Resp: 107209
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#88
 1,4-Dichlorobenzene
 Concen: 0.232 ug/l
 RT: 12.043 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034980.D
 Acq: 07 Apr 2023 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10D



Tgt Ion:	146	Resp:	1410
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.6	61.9#
148	105.7	31.8	95.4#

