

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112421\
 Data File : VX025326.D
 Acq On : 24 Nov 2021 15:02
 Operator : JC/MD
 Sample : M4775-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10I-20211118RE

Quant Time: Nov 26 10:34:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

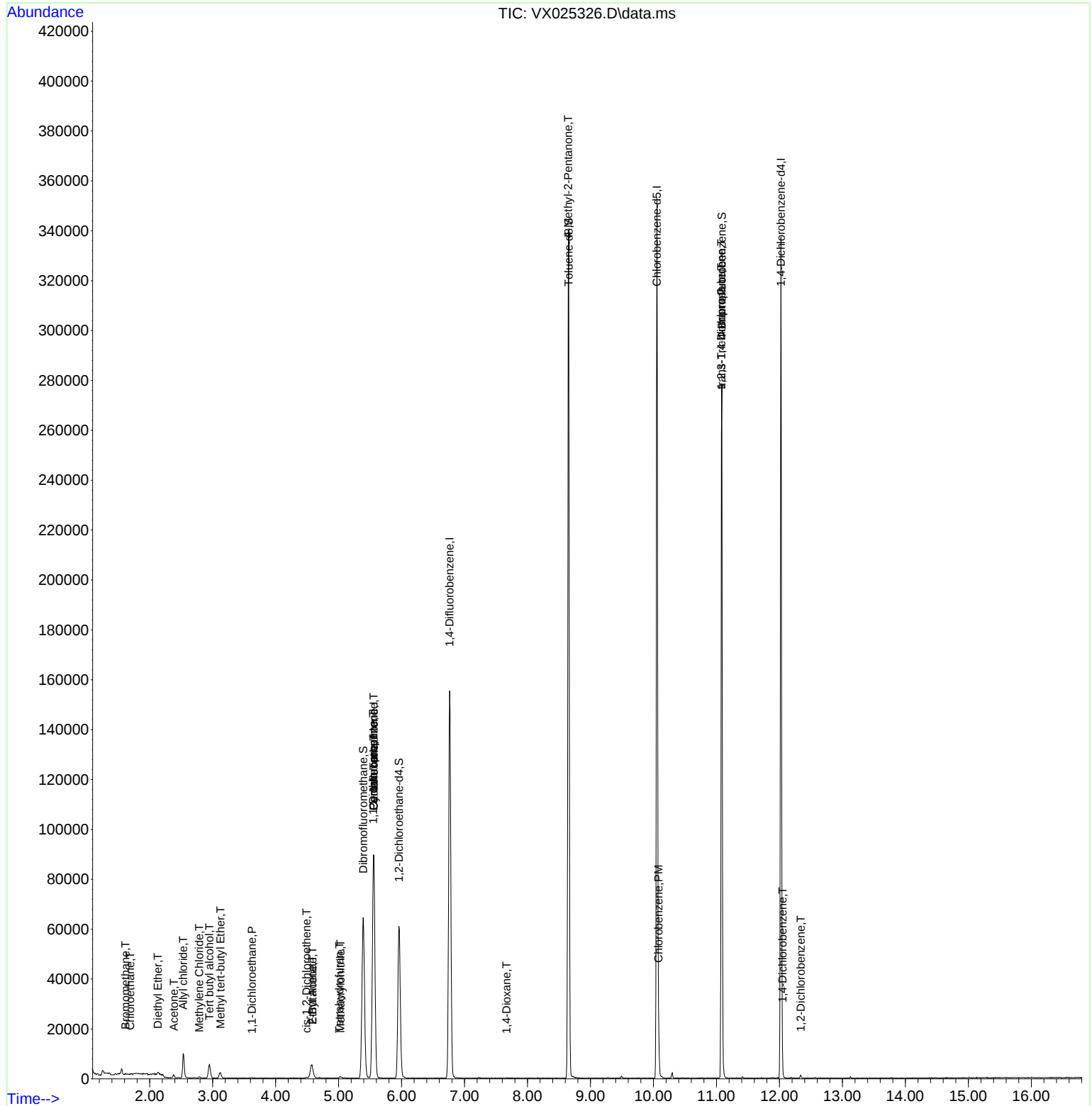
Internal Standards						
1) Pentafluorobenzene	5.556	168	92694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57771	59.128	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 118.260%#	
35) Dibromofluoromethane	5.391	113	55378	53.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.920%	
50) Toluene-d8	8.653	98	200686	51.530	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	11.085	95	74043	50.254	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	166	0.353	ug/l #	79
6) Chloroethane	1.691	64	166	0.220	ug/l #	43
8) Diethyl Ether	2.130	74	210	0.314	ug/l #	13
11) Tert butyl alcohol	2.947	59	3323	4.986	ug/l #	72
14) Allyl chloride	2.532	41	936	0.602	ug/l #	66
16) Acetone	2.386	43	1384	2.549	ug/l	89
19) Methyl tert-butyl Ether	3.123	73	2758	0.921	ug/l	93
20) Methylene Chloride	2.788	84	247	0.242	ug/l #	79
24) 1,1-Dichloroethane	3.623	63	340	0.210	ug/l #	83
25) 2-Butanone	4.587	43	338	0.431	ug/l #	48
27) cis-1,2-Dichloroethene	4.489	96	260	0.237	ug/l	80
29) Tetrahydrofuran	5.013	42	211	0.434	ug/l	89
31) Cyclohexane	5.556	56	1620	1.073	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	5978	4.059	ug/l #	51
37) Ethyl Acetate	4.587	43	338	0.202	ug/l #	34
38) Carbon Tetrachloride	5.556	117	8503	5.241	ug/l #	16
41) Methacrylonitrile	5.032	41	263	0.283	ug/l #	45
49) 1,4-Dioxane	7.665	88	107	3.871	ug/l #	66
51) 4-Methyl-2-Pentanone	8.647	43	912	0.522	ug/l #	1
65) Chlorobenzene	10.079	112	8070	2.438	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	36089	24.898	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36089	62.722	ug/l #	9
88) 1,4-Dichlorobenzene	12.049	146	1498	0.612	ug/l #	60
91) 1,2-Dichlorobenzene	12.341	146	590	0.251	ug/l	92
95) Naphthalene	13.780	128	106	Below Cal	#	69

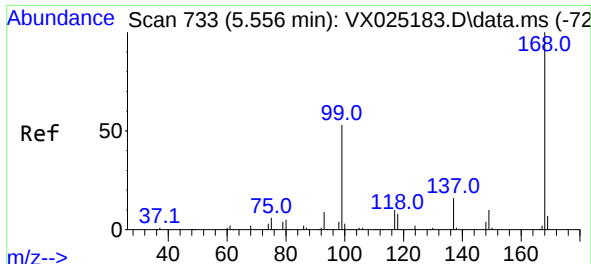
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112421\  
Data File : VX025326.D  
Acq On    : 24 Nov 2021 15:02  
Operator  : JC/MD  
Sample    : M4775-04  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 13 Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

Quant Time: Nov 26 10:34:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

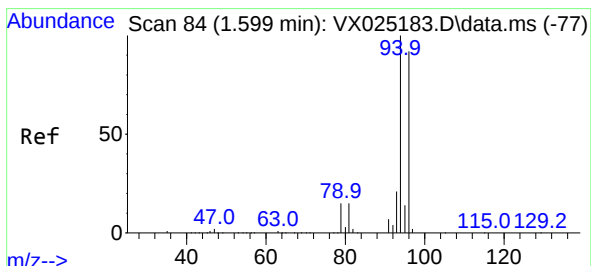
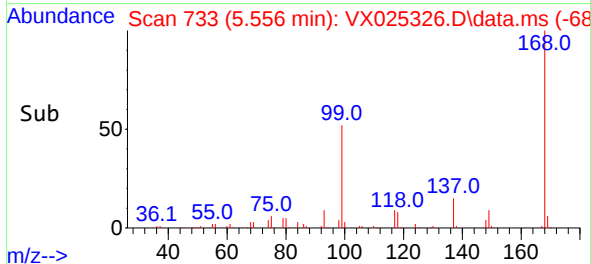
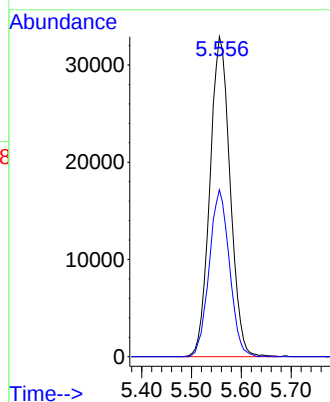
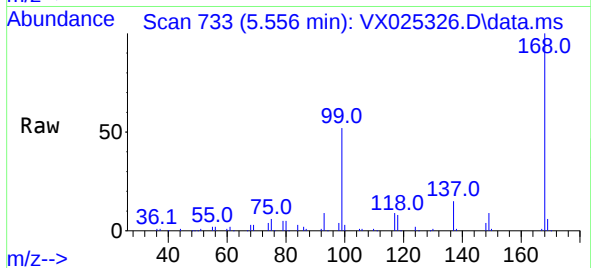




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

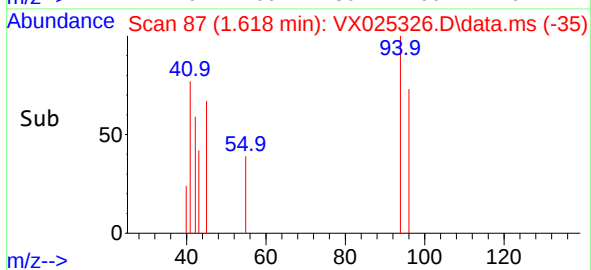
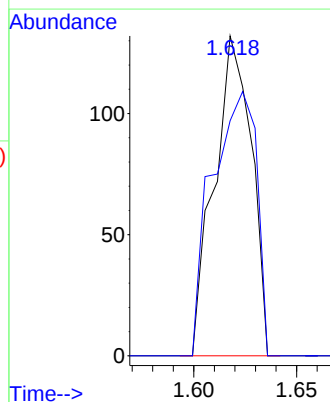
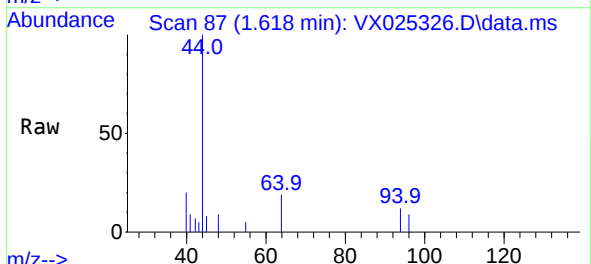
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

Tgt Ion:168 Resp: 92694
Ion Ratio Lower Upper
168 100
99 52.1 46.4 69.6

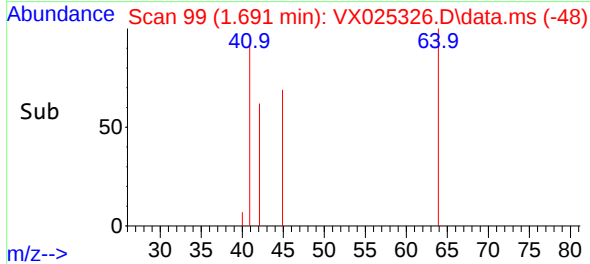
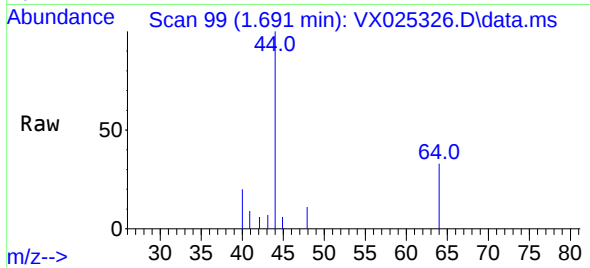
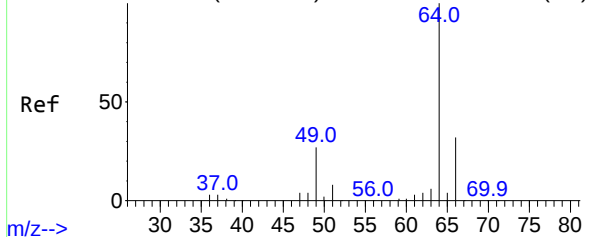


#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 73.5 74.8 112.2#



Abundance Scan 97 (1.679 min): VX025183.D\data.ms (-88)



#6

Chloroethane

Concen: 0.220 ug/l

RT: 1.691 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

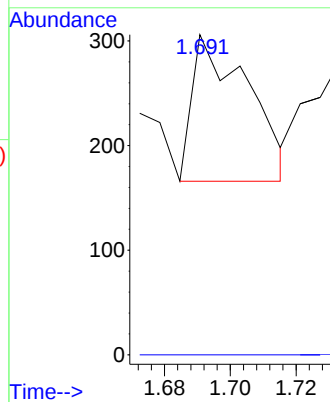
PK-10I-20211118RE

Tgt Ion: 64 Resp: 166

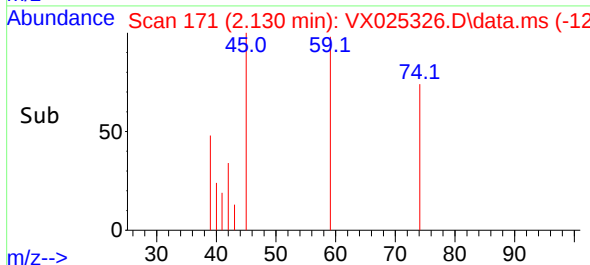
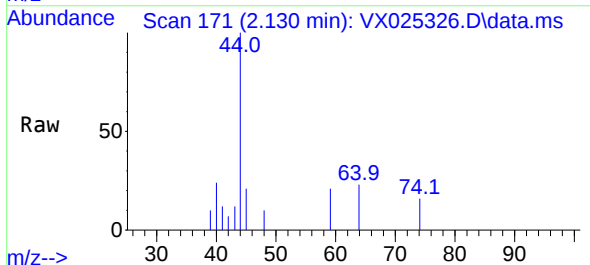
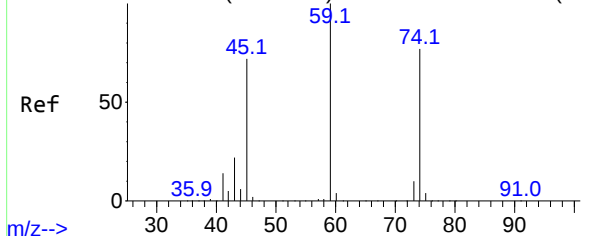
Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Scan 172 (2.136 min): VX025183.D\data.ms (-16)



#8

Diethyl Ether

Concen: 0.314 ug/l

RT: 2.130 min Scan# 171

Delta R.T. -0.006 min

Lab File: VX025326.D

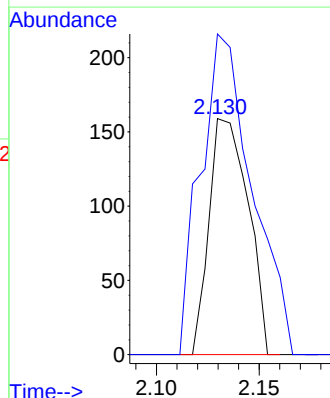
Acq: 24 Nov 2021 15:02

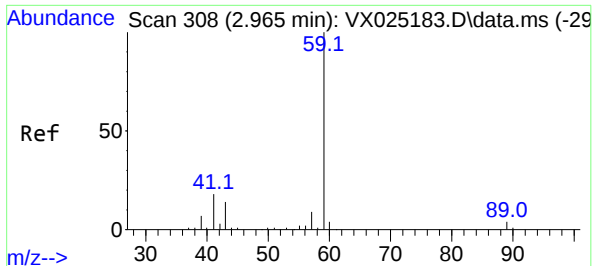
Tgt Ion: 74 Resp: 210

Ion Ratio Lower Upper

74 100

45 180.0 47.6 142.9#





#11

Tert butyl alcohol

Concen: 4.986 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

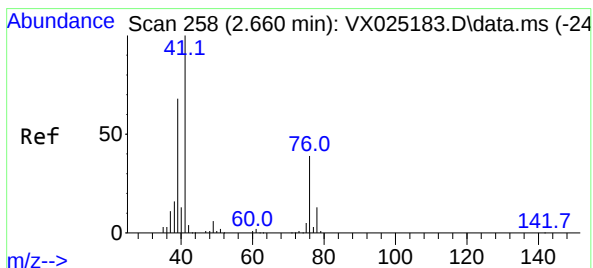
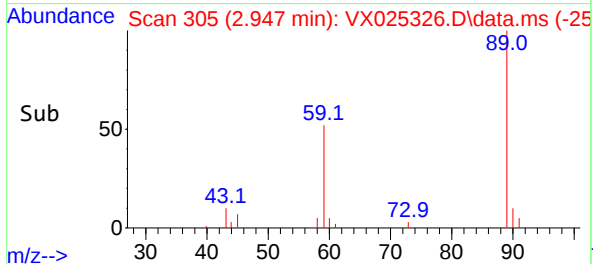
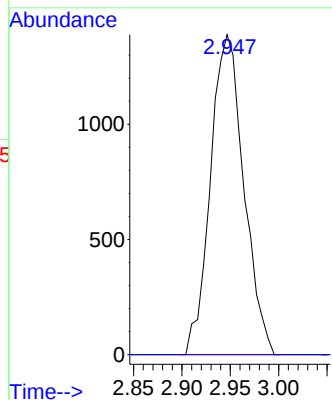
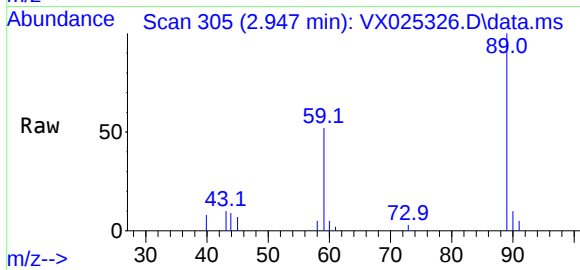
PK-10I-20211118RE

Tgt Ion: 59 Resp: 3323

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#14

Allyl chloride

Concen: 0.602 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.128 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

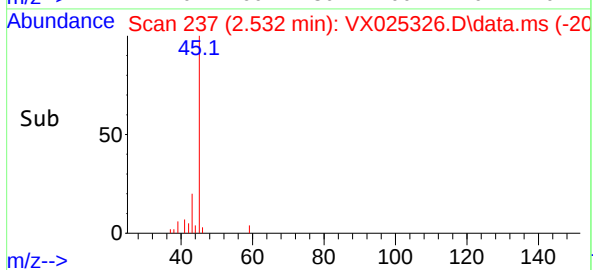
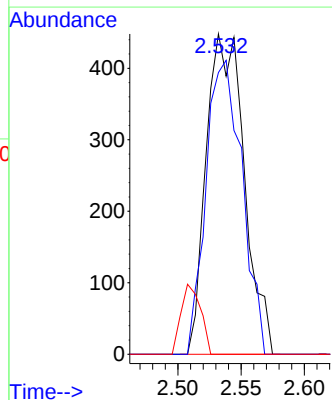
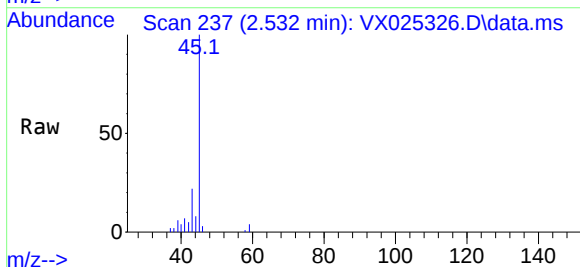
Tgt Ion: 41 Resp: 936

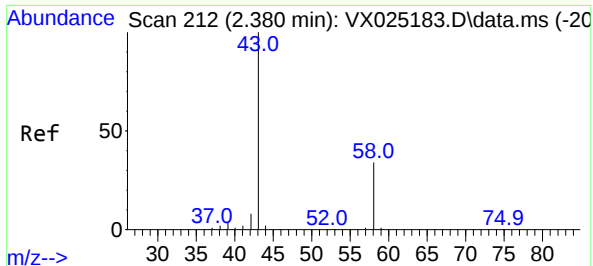
Ion Ratio Lower Upper

41 100

39 87.1 54.6 82.0#

76 0.0 25.3 37.9#

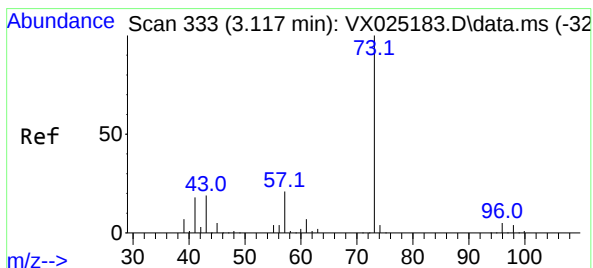
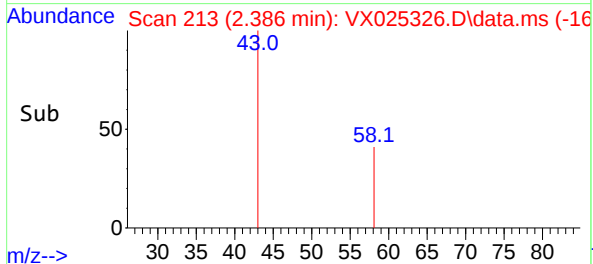
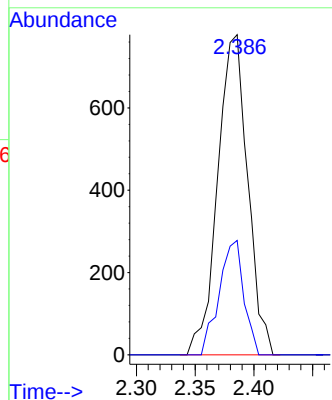
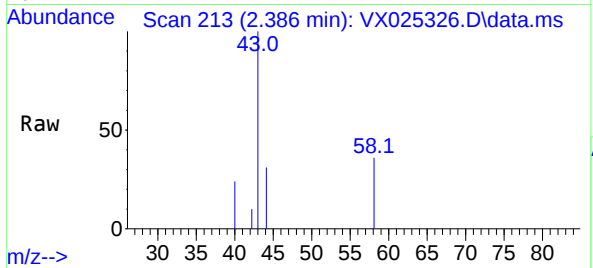




#16
Acetone
Concen: 2.549 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

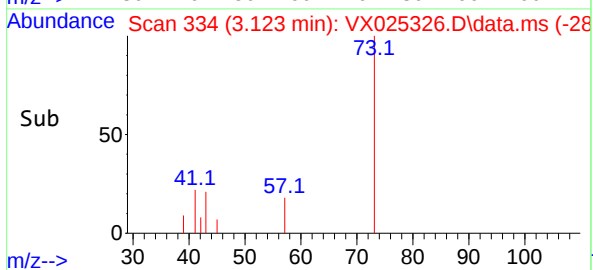
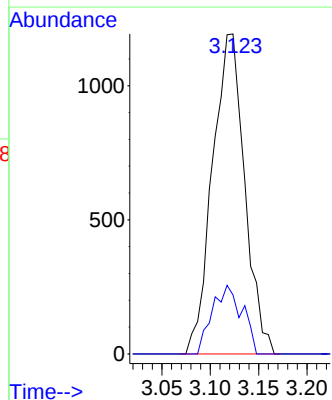
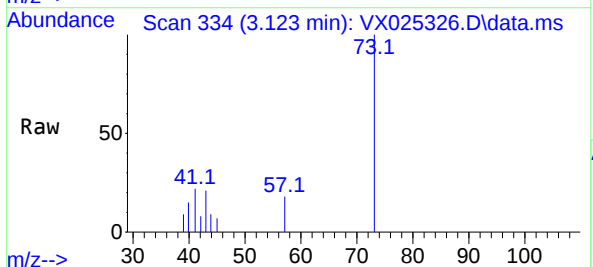
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

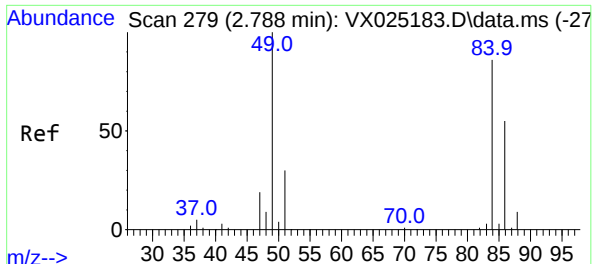
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
58 35.7 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 0.921 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion: 73 Resp: 2758
Ion Ratio Lower Upper
73 100
57 18.4 17.5 26.3





#20

Methylene Chloride

Concen: 0.242 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX025326.D

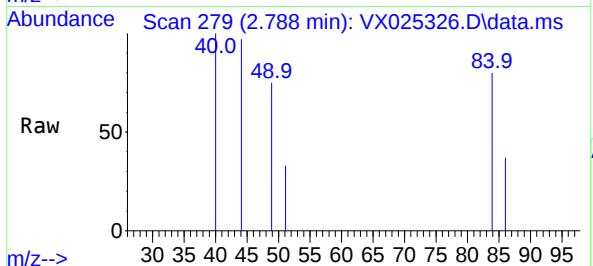
Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

PK-10I-20211118RE



Tgt Ion: 84 Resp: 247

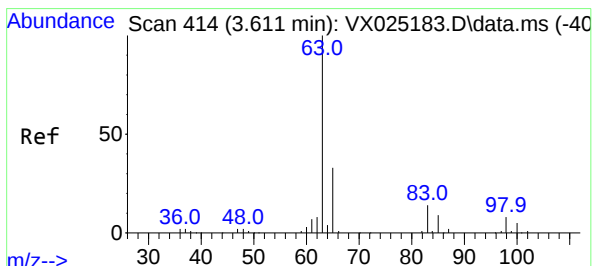
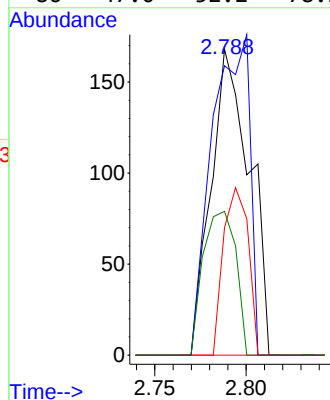
Ion Ratio Lower Upper

84 100

49 94.6 98.2 147.2#

51 41.7 30.2 45.4

86 47.0 52.2 78.2#



#24

1,1-Dichloroethane

Concen: 0.210 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.012 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

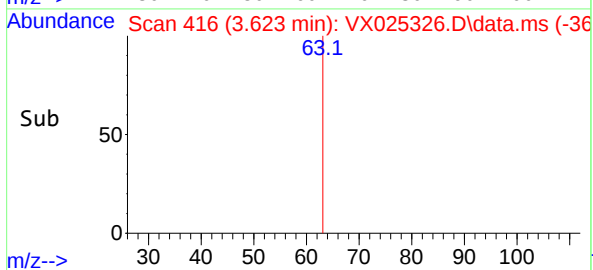
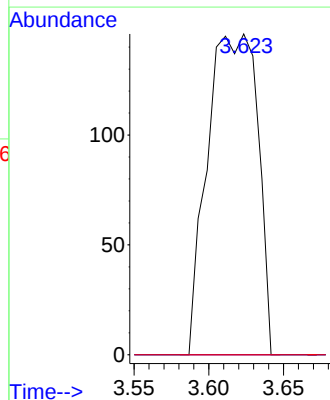
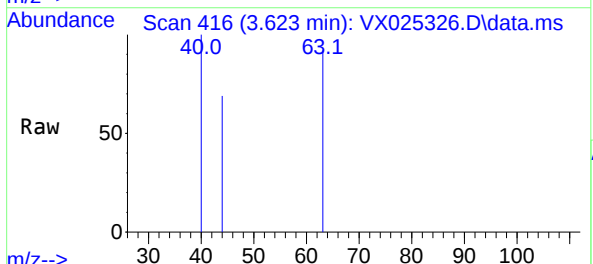
Tgt Ion: 63 Resp: 340

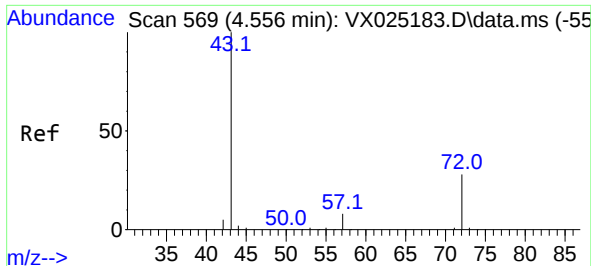
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

100 0.0 2.1 6.2#





#25

2-Butanone

Concen: 0.431 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

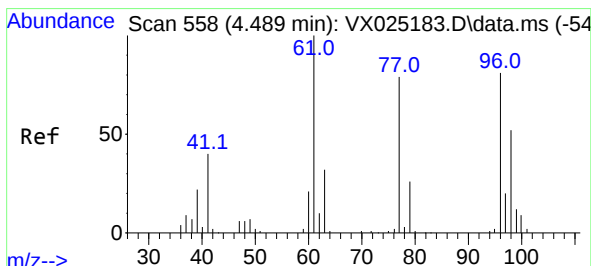
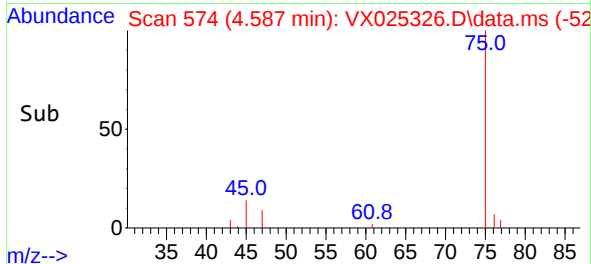
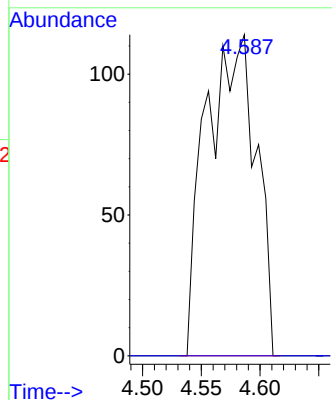
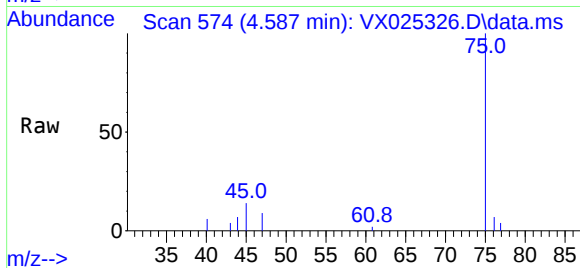
PK-10I-20211118RE

Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#27

cis-1,2-Dichloroethene

Concen: 0.237 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

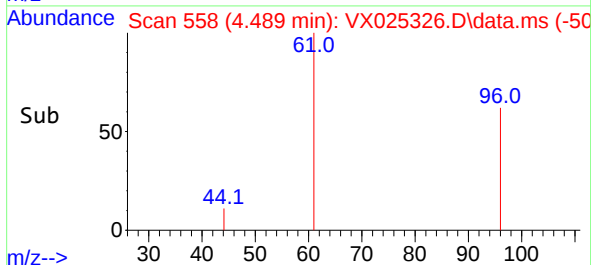
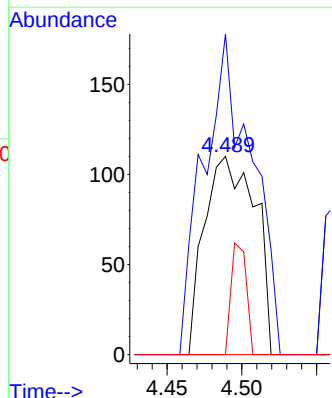
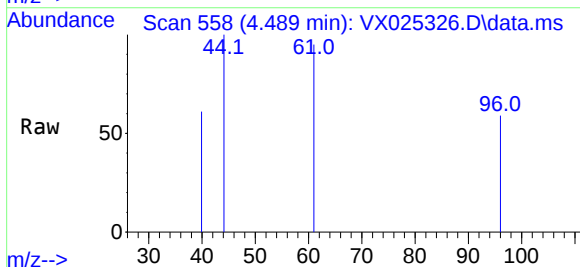
Tgt Ion: 96 Resp: 260

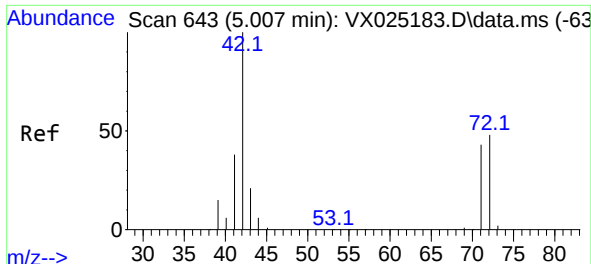
Ion Ratio Lower Upper

96 100

61 153.5 0.0 302.2

98 16.9 0.0 131.4





#29

Tetrahydrofuran

Concen: 0.434 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

PK-10I-20211118RE

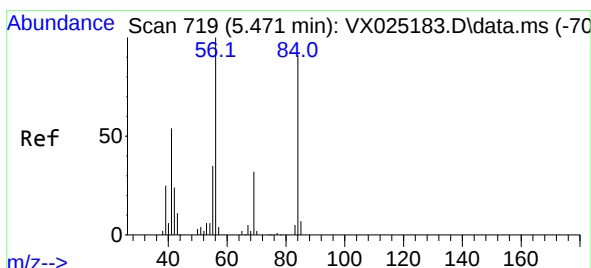
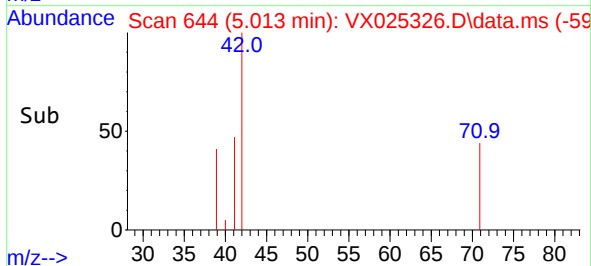
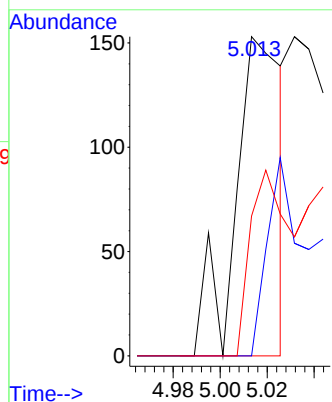
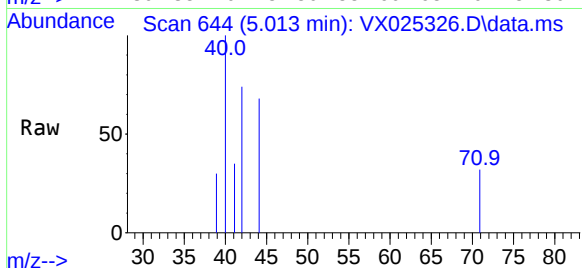
Tgt Ion: 42 Resp: 211

Ion Ratio Lower Upper

42 100

72 53.1 36.1 54.1

71 48.8 33.7 50.5



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

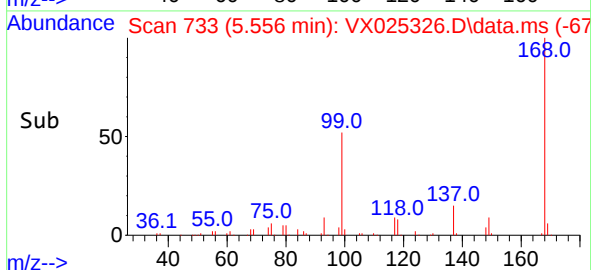
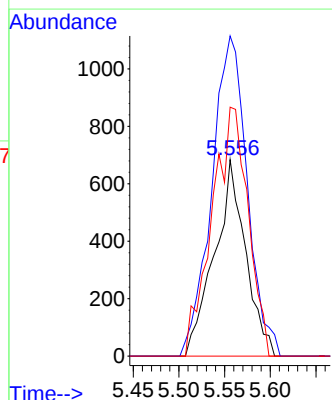
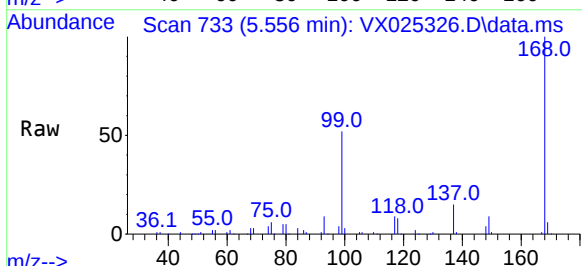
Tgt Ion: 56 Resp: 1620

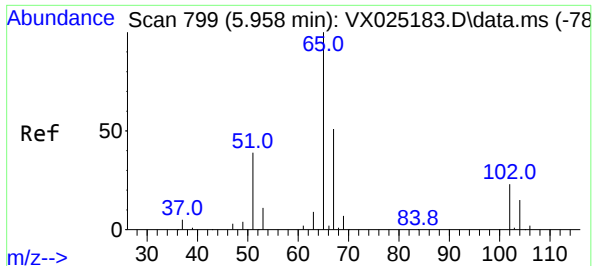
Ion Ratio Lower Upper

56 100

69 163.0 24.2 36.2#

84 126.8 71.5 107.3#

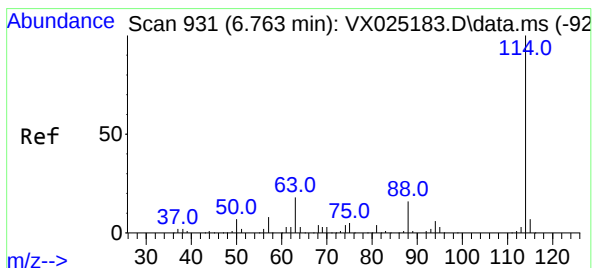
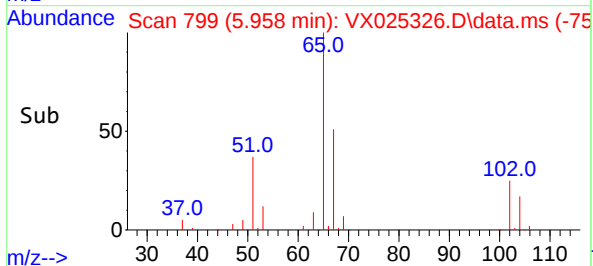
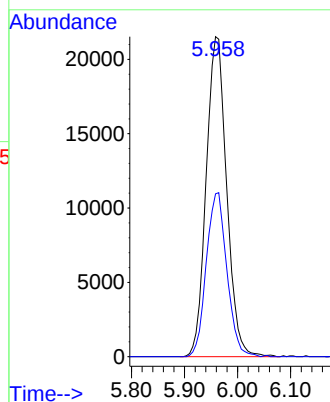
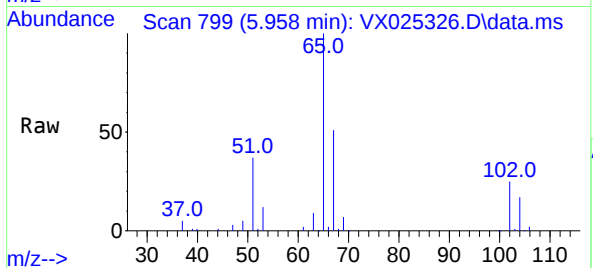




#33
1,2-Dichloroethane-d4
Concen: 59.128 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

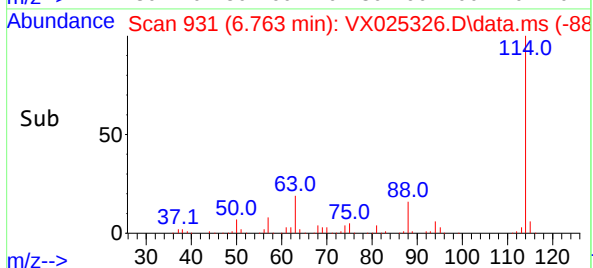
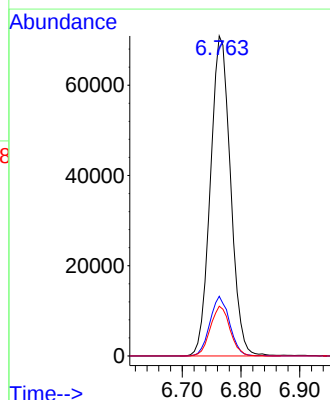
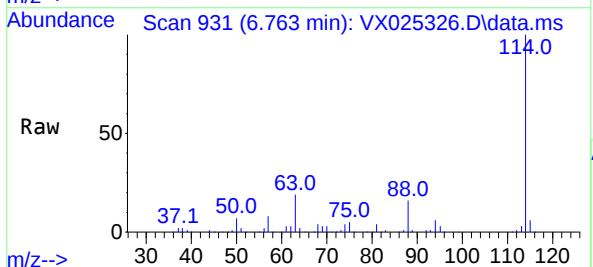
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

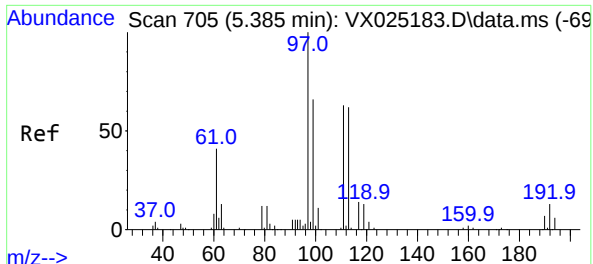
Tgt Ion: 65 Resp: 57771
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion: 114 Resp: 168821
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.0
88 15.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.462 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

PK-10I-20211118RE

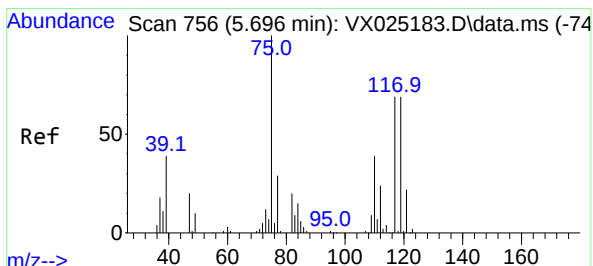
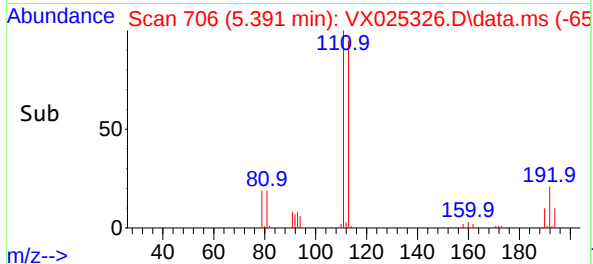
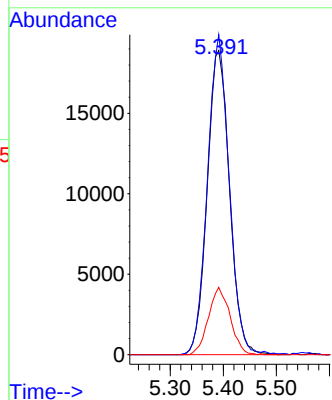
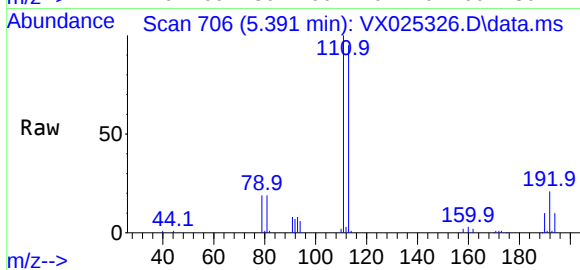
Tgt Ion:113 Resp: 55378

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 21.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.059 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

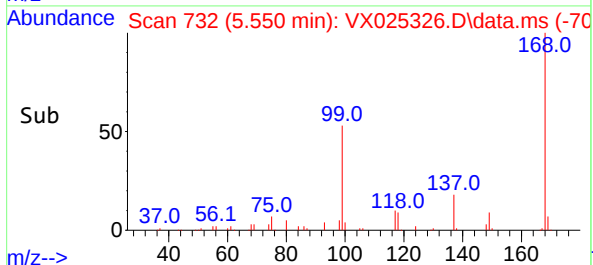
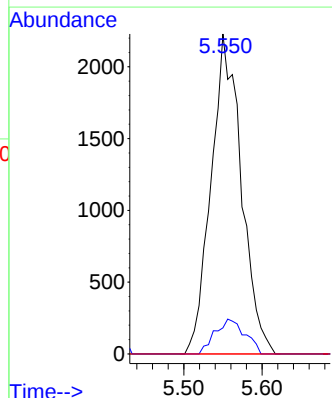
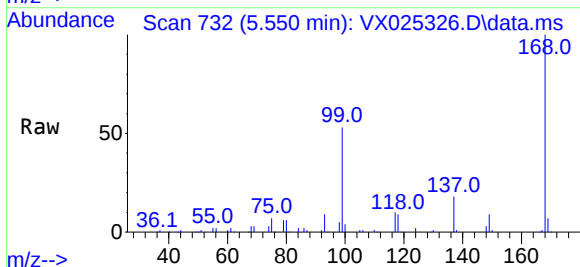
Tgt Ion: 75 Resp: 5978

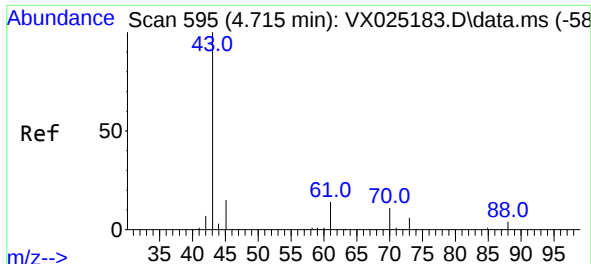
Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.3#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.202 ug/l

RT: 4.587 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX025326.D

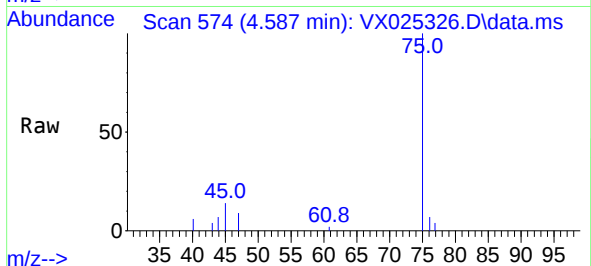
Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

PK-10I-20211118RE



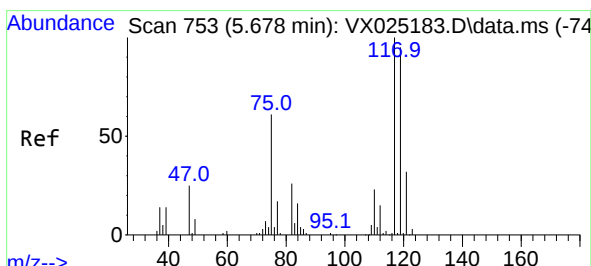
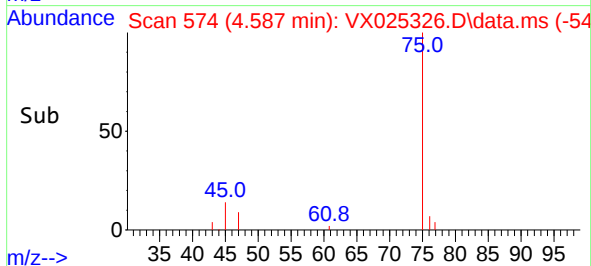
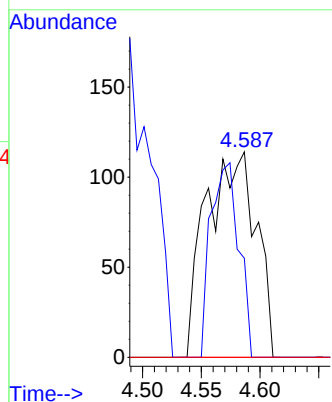
Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

61 53.0 11.4 17.0#

70 0.0 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 5.241 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

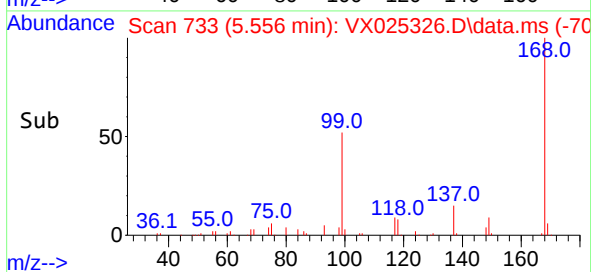
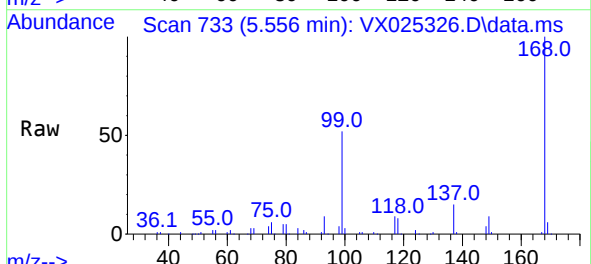
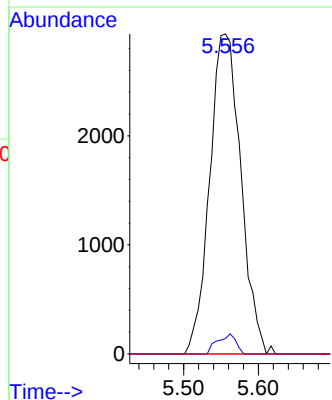
Tgt Ion: 117 Resp: 8503

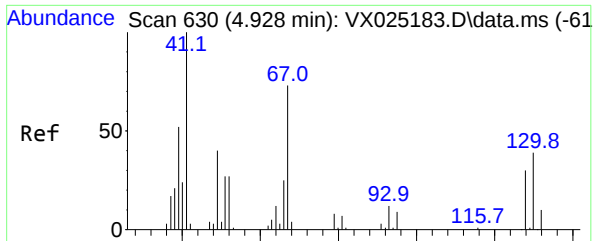
Ion Ratio Lower Upper

117 100

119 4.8 75.6 113.4#

121 0.0 23.7 35.5#



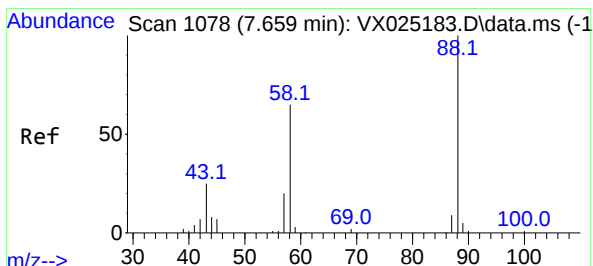
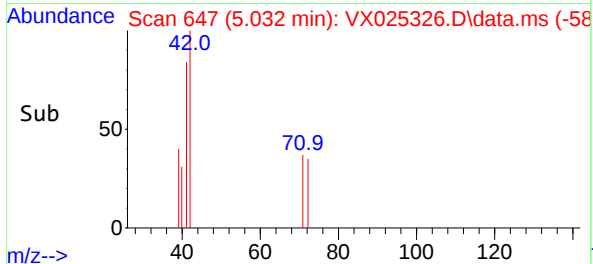
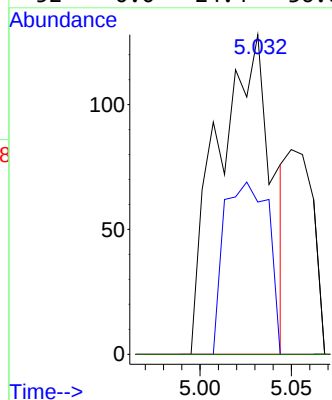
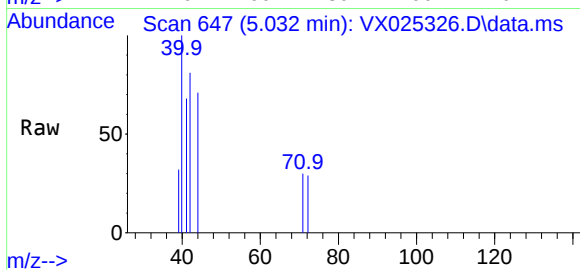


#41
Methacrylonitrile
Concen: 0.283 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.104 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

Tgt Ion: 41 Resp: 263

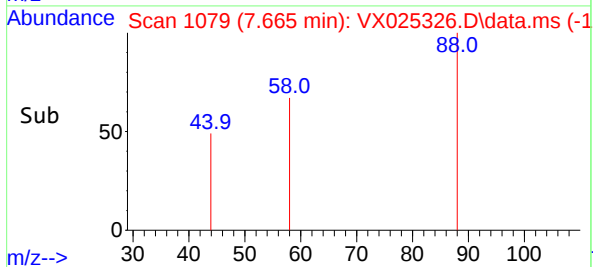
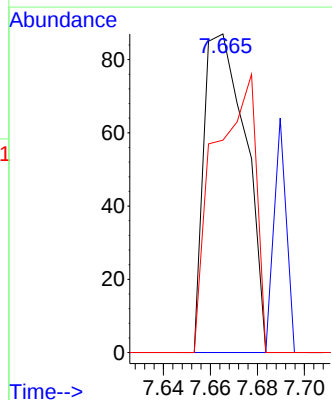
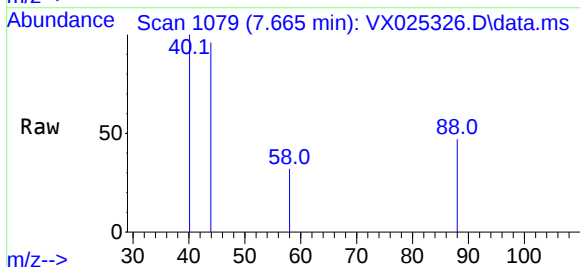
Ion	Ratio	Lower	Upper
41	100		
39	44.1	44.6	67.0#
67	0.0	56.7	85.1#
52	0.0	24.4	36.6#

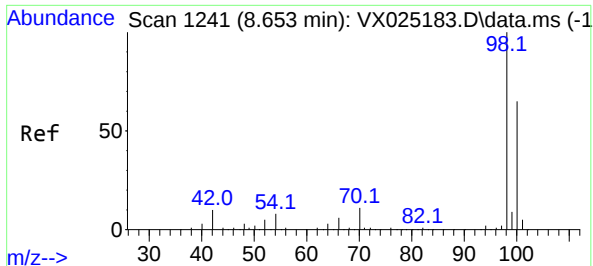


#49
1,4-Dioxane
Concen: 3.871 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion: 88 Resp: 107

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.6#
58	86.9	55.2	82.8#





#50

Toluene-d8

Concen: 51.530 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025326.D

Acq: 24 Nov 2021 15:02

Instrument :

MSVOA_X

ClientSampleId :

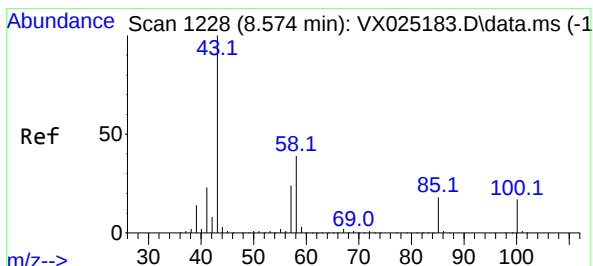
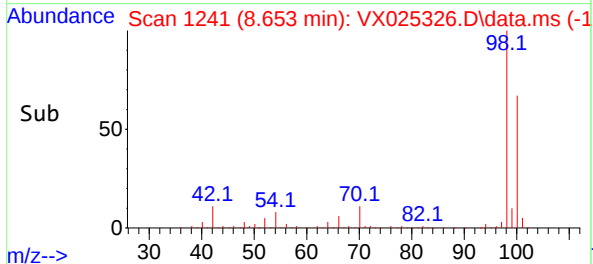
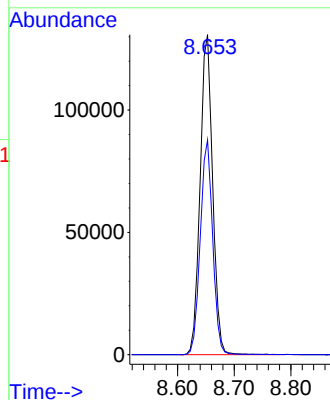
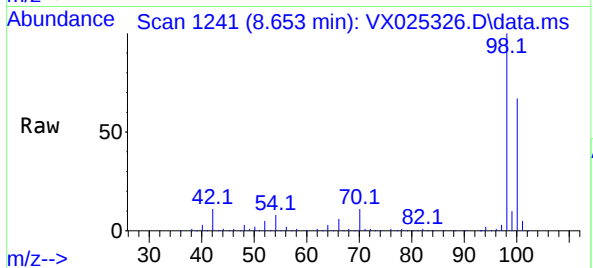
PK-10I-20211118RE

Tgt Ion: 98 Resp: 200686

Ion Ratio Lower Upper

98 100

100 66.5 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.522 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025326.D

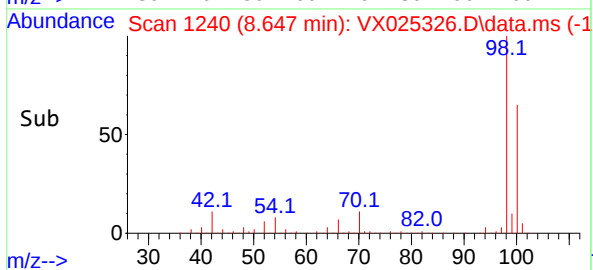
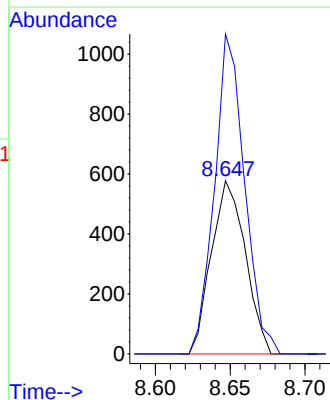
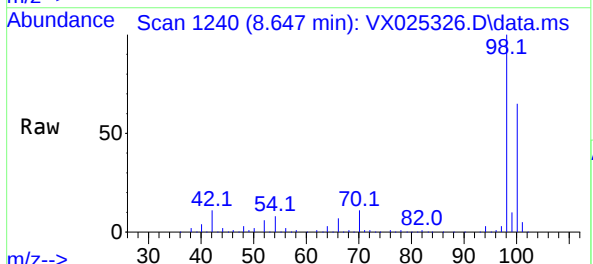
Acq: 24 Nov 2021 15:02

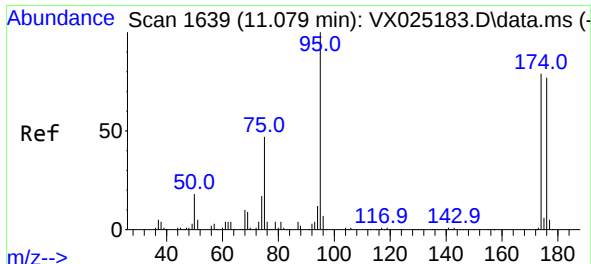
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 163.8 30.9 46.3#

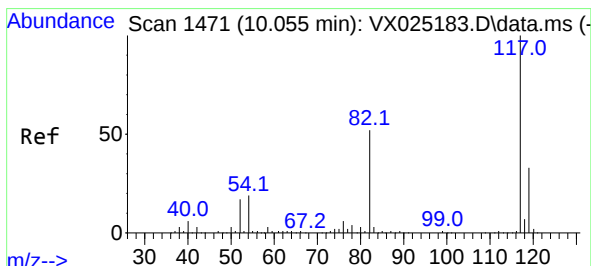
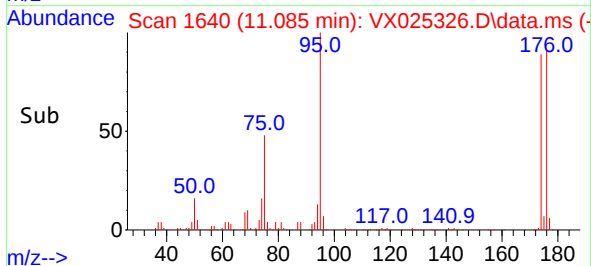
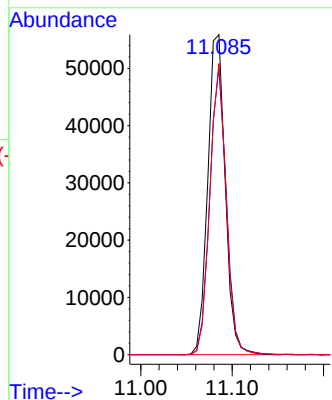
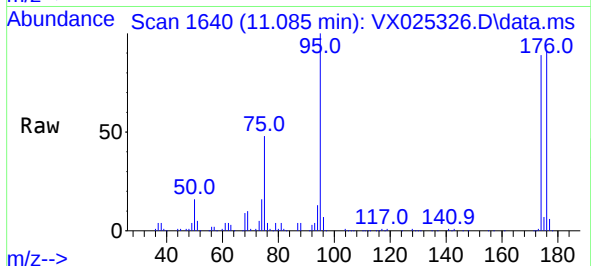




#62
4-Bromofluorobenzene
Concen: 50.254 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

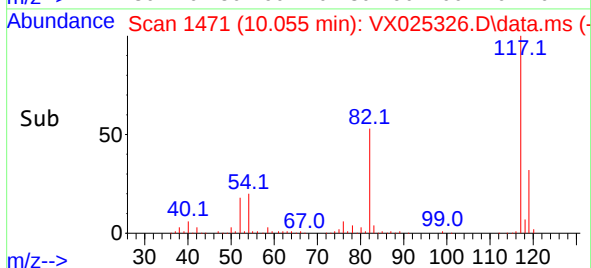
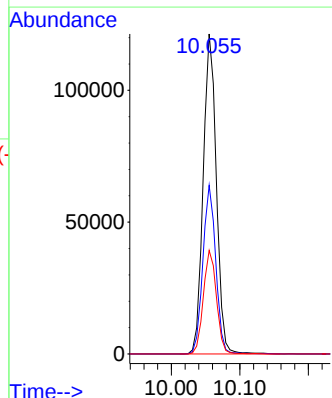
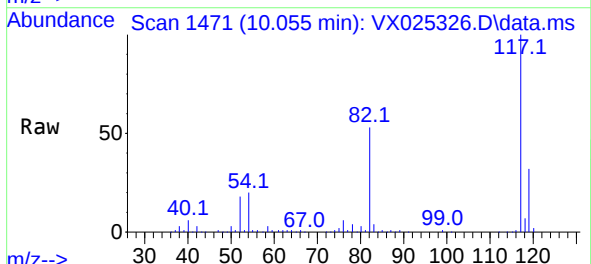
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

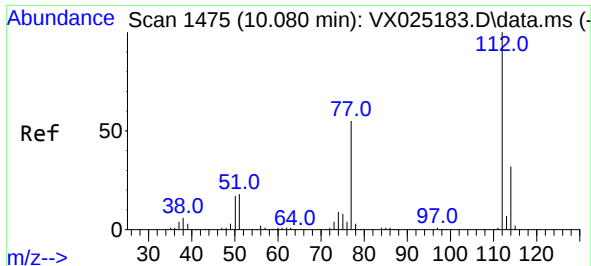
Tgt Ion: 95 Resp: 74043
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.0
176 85.0 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion: 117 Resp: 162416
Ion Ratio Lower Upper
117 100
82 52.7 44.6 67.0
119 32.3 24.8 37.2

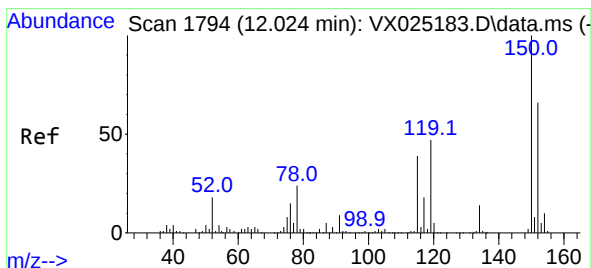
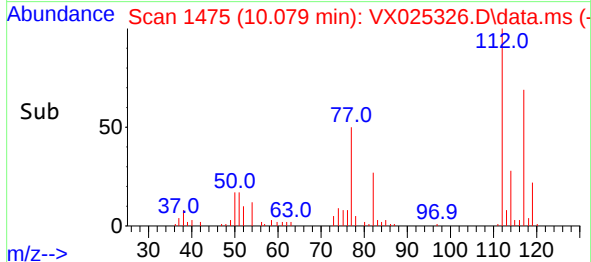
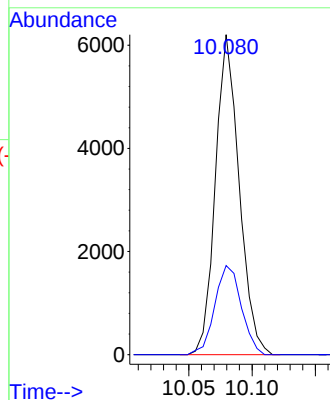
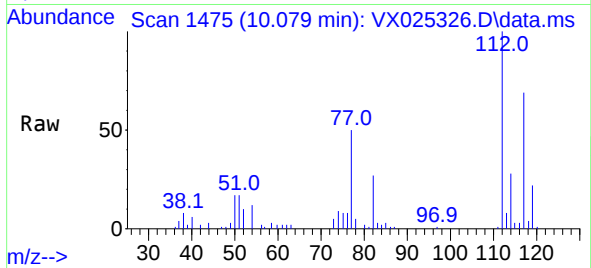




#65
Chlorobenzene
Concen: 2.438 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

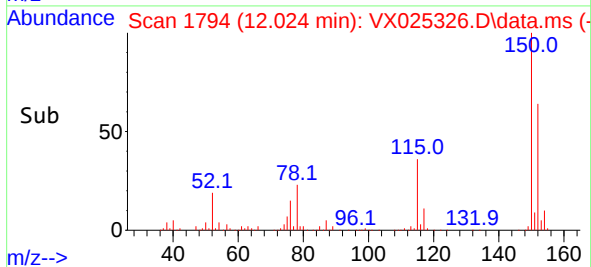
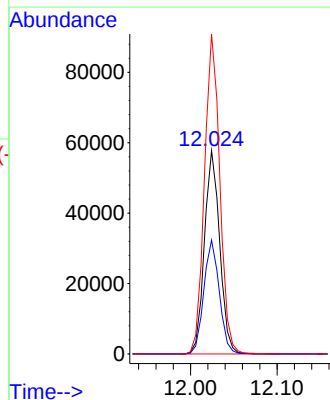
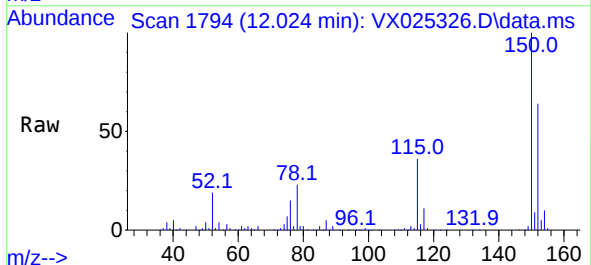
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

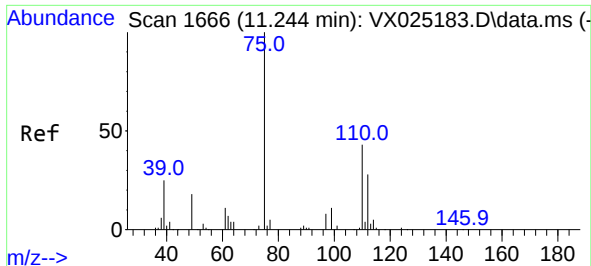
Tgt Ion:112 Resp: 8070
Ion Ratio Lower Upper
112 100
114 27.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion:152 Resp: 70783
Ion Ratio Lower Upper
152 100
115 56.6 43.3 129.8
150 158.1 0.0 351.2

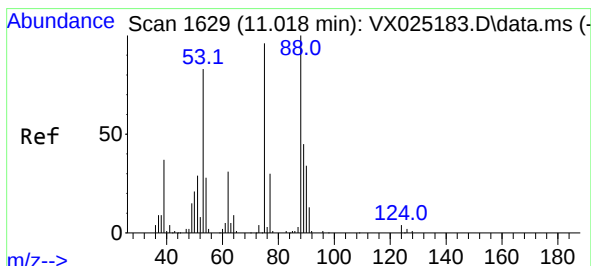
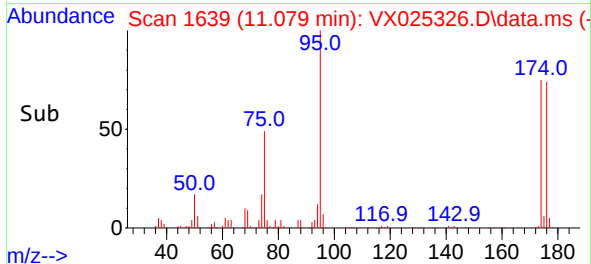
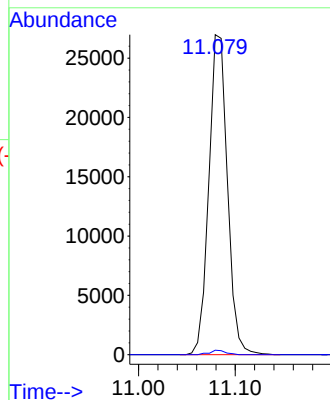
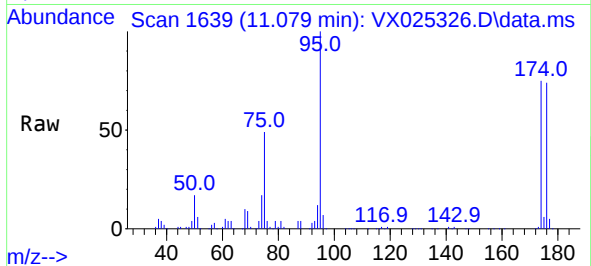




#76
1,2,3-Trichloropropane
Concen: 24.898 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

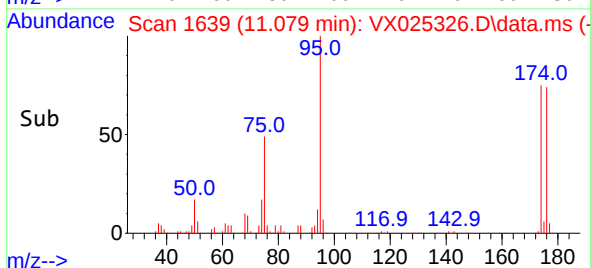
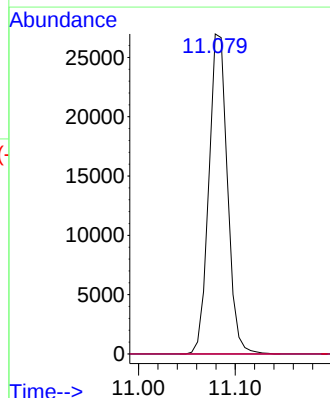
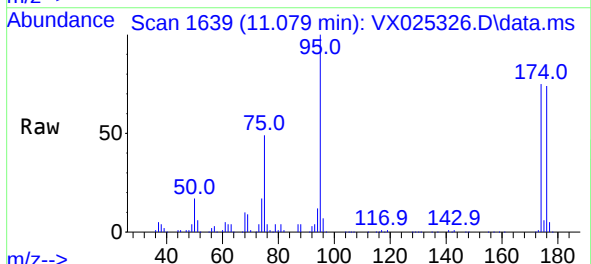
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

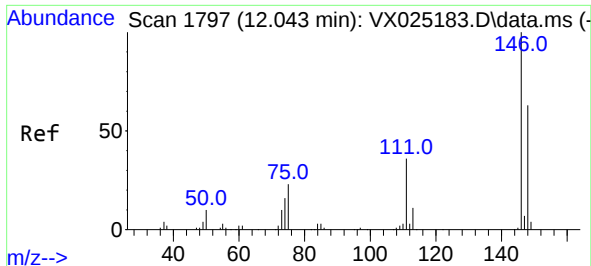
Tgt Ion: 75 Resp: 36089
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Tgt Ion: 75 Resp: 36089
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

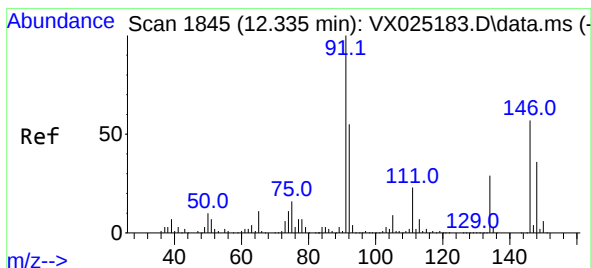
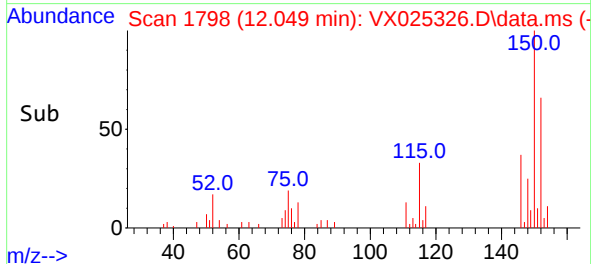
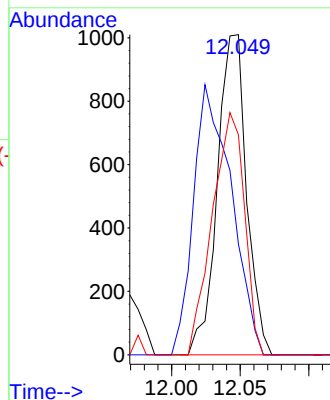
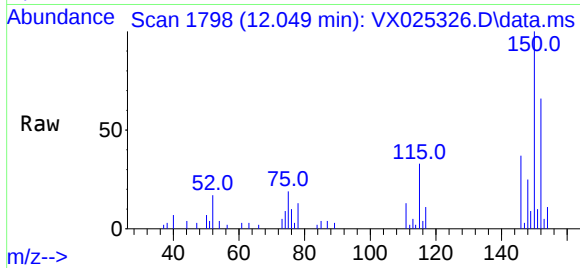




#88
1,4-Dichlorobenzene
Concen: 0.612 ug/l
RT: 12.049 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

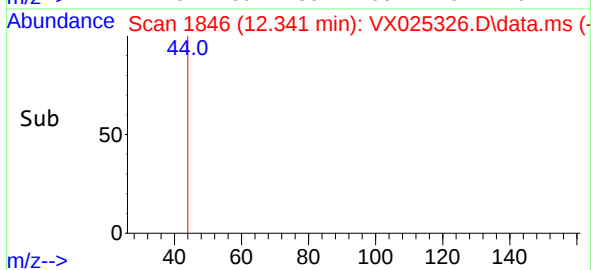
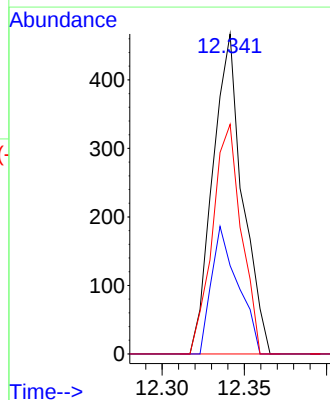
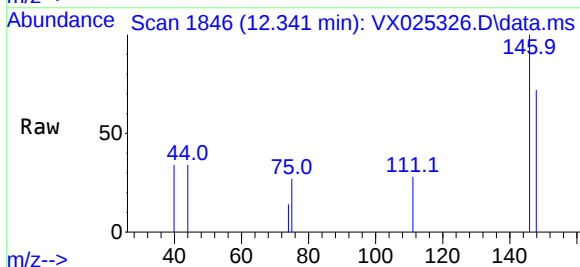
Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE

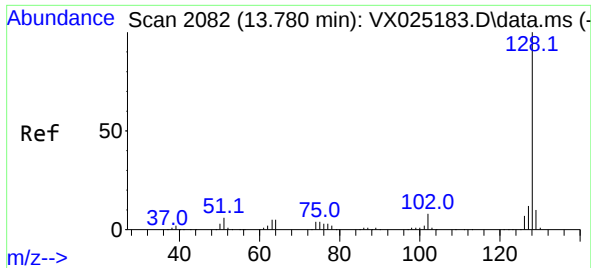
Tgt Ion:146 Resp: 1498
Ion Ratio Lower Upper
146 100
111 0.0 20.4 61.3#
148 83.2 32.4 97.0



#91
1,2-Dichlorobenzene
Concen: 0.251 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

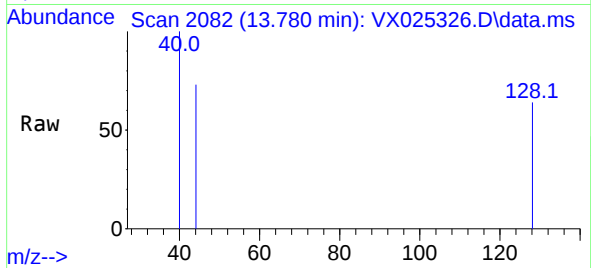
Tgt Ion:146 Resp: 590
Ion Ratio Lower Upper
146 100
111 35.4 21.2 63.6
148 69.5 32.1 96.5





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX025326.D
Acq: 24 Nov 2021 15:02

Instrument :
MSVOA_X
ClientSampleId :
PK-10I-20211118RE



Tgt Ion:128 Resp: 106
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

