

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112421\
 Data File : VX025327.D
 Acq On : 24 Nov 2021 15:25
 Operator : JC/MD
 Sample : M4775-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 26 10:35:04 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)

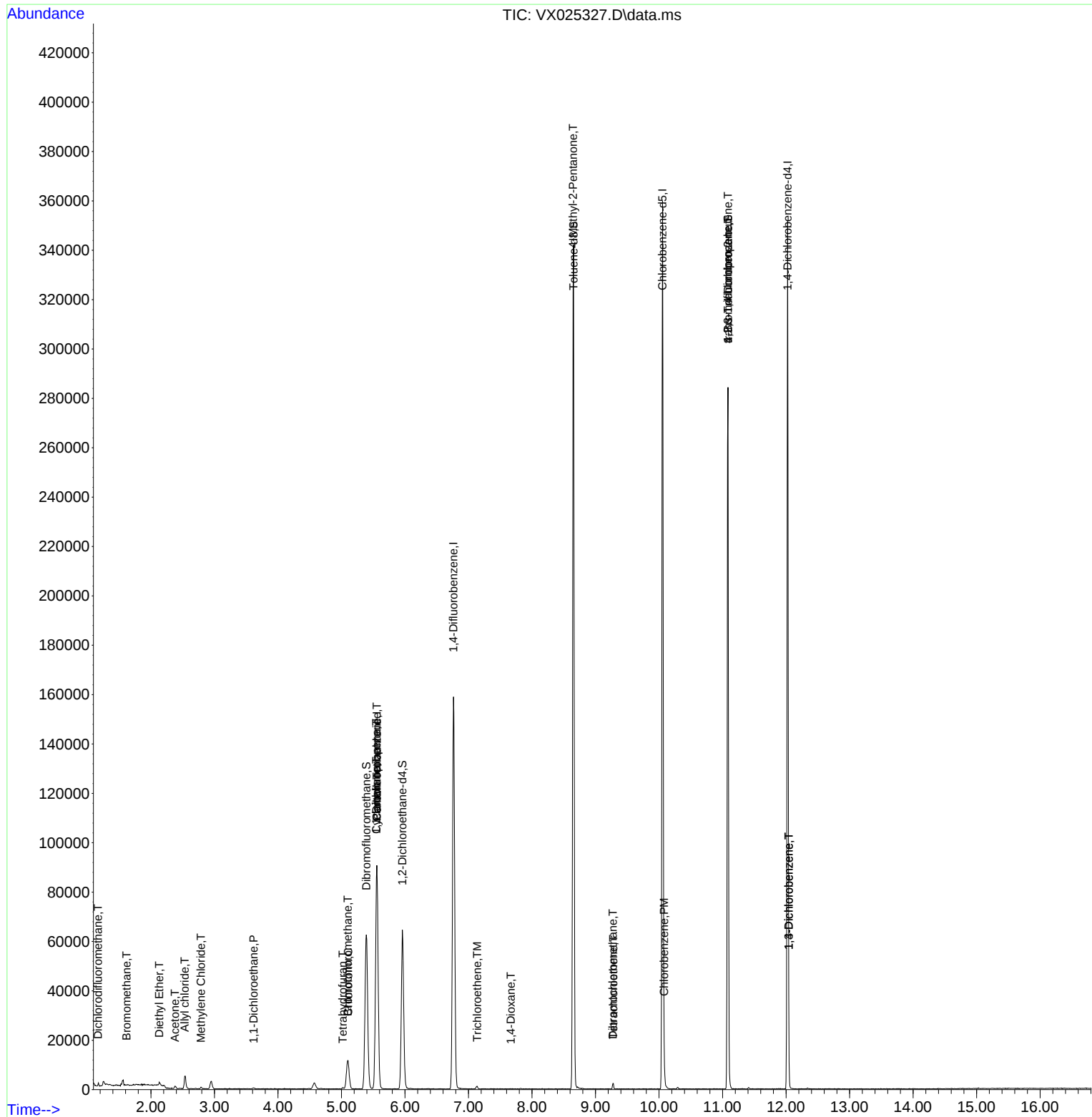
Internal Standards						
1) Pentafluorobenzene	5.556	168	92924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58128	59.346	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 118.700%#	
35) Dibromofluoromethane	5.391	113	55285	53.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.300%	
50) Toluene-d8	8.653	98	202907	51.883	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.760%	
62) 4-Bromofluorobenzene	11.085	95	76377	51.623	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	367	0.456	ug/l	90
5) Bromomethane	1.617	94	198	0.421	ug/l	87
8) Diethyl Ether	2.130	74	277	0.413	ug/l #	26
11) Tert butyl alcohol	2.953	59	1977	Below Cal	#	72
14) Allyl chloride	2.532	41	590	0.379	ug/l #	71
16) Acetone	2.379	43	1120	2.058	ug/l	98
20) Methylene Chloride	2.788	84	265	0.259	ug/l #	75
24) 1,1-Dichloroethane	3.617	63	583	0.359	ug/l #	83
28) Bromochloromethane	5.098	49	1113	1.472	ug/l #	11
29) Tetrahydrofuran	5.019	42	454	0.932	ug/l #	45
30) Chloroform	5.105	83	14387	8.523	ug/l	97
31) Cyclohexane	5.550	56	1685	1.113	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6169	4.171	ug/l #	49
38) Carbon Tetrachloride	5.556	117	8431	5.175	ug/l #	17
44) Trichloroethene	7.135	130	469	0.360	ug/l	94
49) 1,4-Dioxane	7.665	88	85	3.062	ug/l #	24
51) 4-Methyl-2-Pentanone	8.647	43	932	0.531	ug/l #	1
60) Dibromochloromethane	9.275	129	391	0.292	ug/l #	11
64) Tetrachloroethene	9.281	164	476	0.347	ug/l #	76
65) Chlorobenzene	10.079	112	3313	0.978	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	37021	24.568	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	37021	61.891	ug/l #	9
87) 1,3-Dichlorobenzene	12.042	146	945	0.376	ug/l #	29
88) 1,4-Dichlorobenzene	12.042	146	945	0.371	ug/l #	30
95) Naphthalene	13.780	128	48	Below Cal	#	69

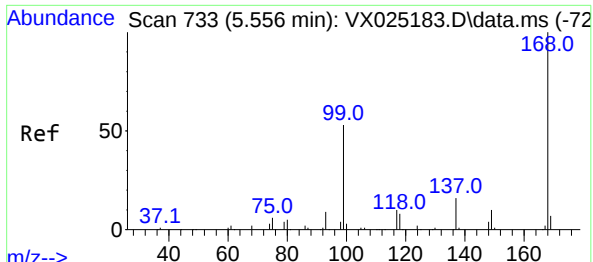
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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

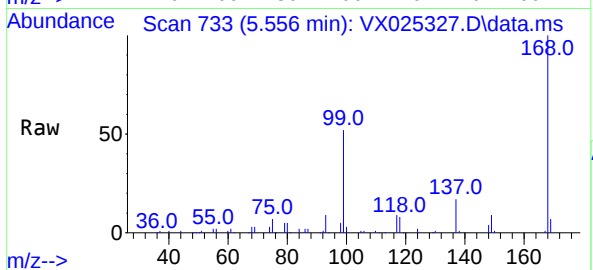
Quant Time: Nov 26 10:35:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
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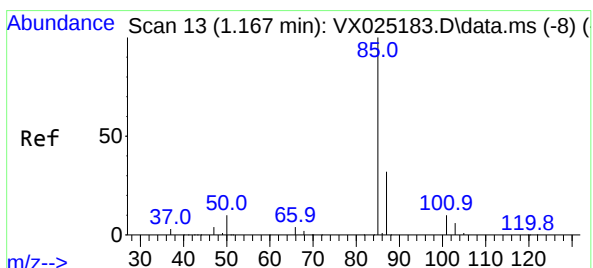
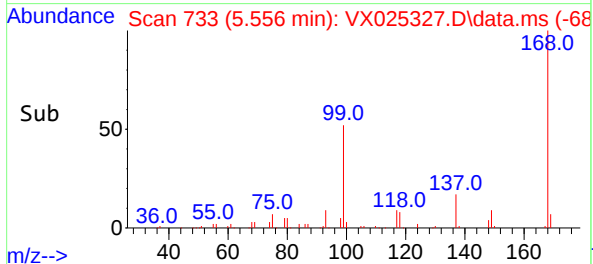
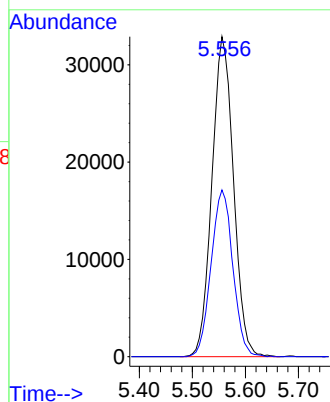


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Instrument :
MSVOA_X
ClientSampleId :
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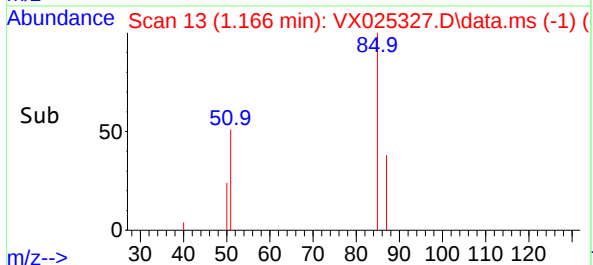
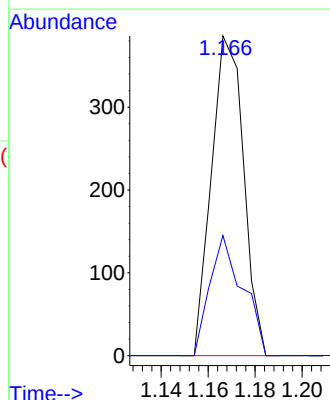
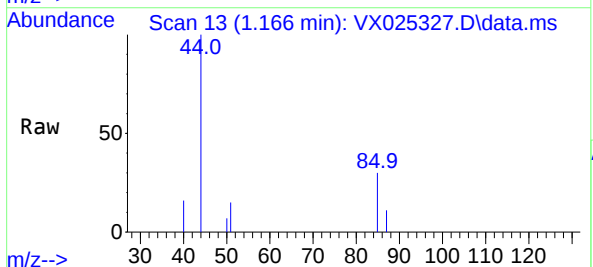


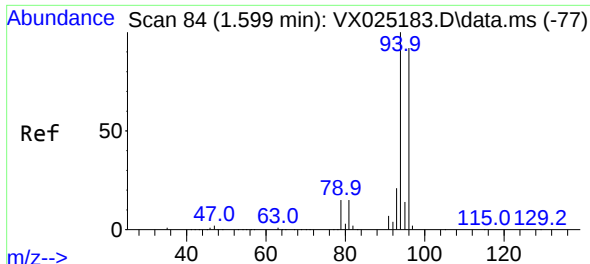
Tgt Ion:168 Resp: 92924
Ion Ratio Lower Upper
168 100
99 52.1 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 0.456 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 85 Resp: 367
Ion Ratio Lower Upper
85 100
87 37.6 16.0 47.9

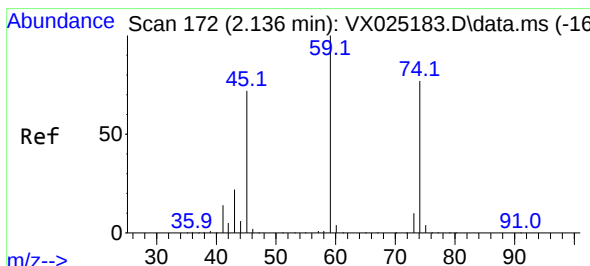
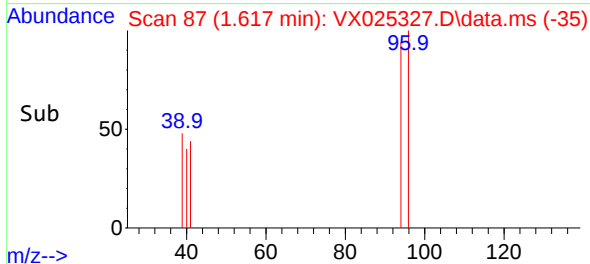
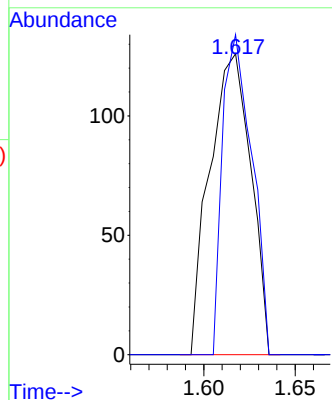
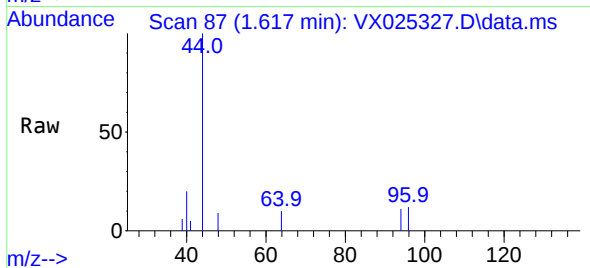




#5
Bromomethane
Concen: 0.421 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

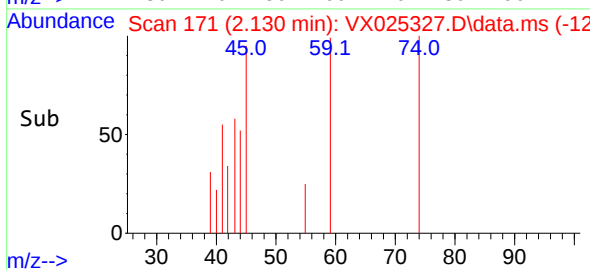
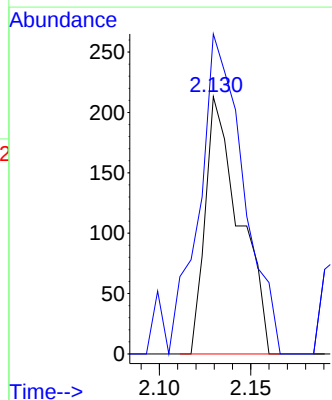
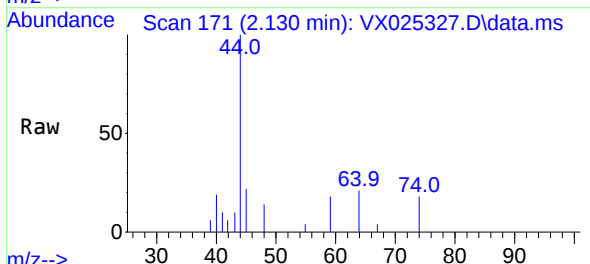
Instrument :
MSVOA_X
ClientSampleId :
PK-10D-20211118RE

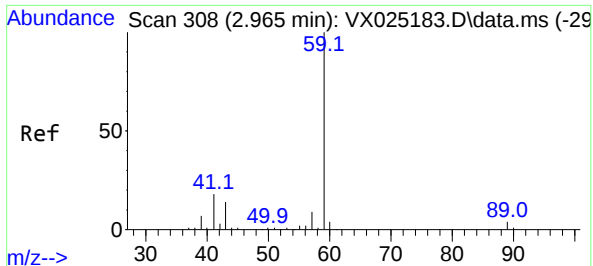
Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 106.3 74.8 112.2



#8
Diethyl Ether
Concen: 0.413 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 74 Resp: 277
Ion Ratio Lower Upper
74 100
45 167.5 47.6 142.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

Instrument :

MSVOA_X

ClientSampleId :

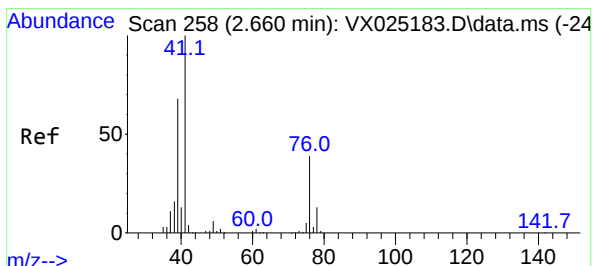
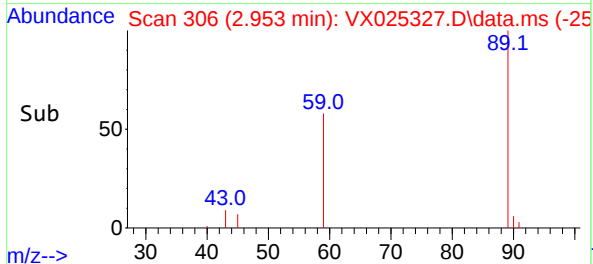
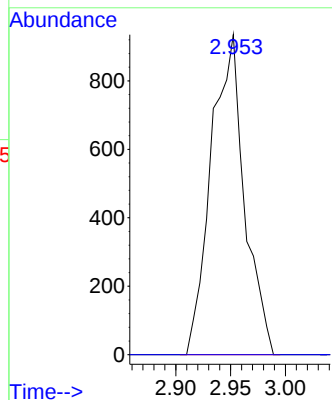
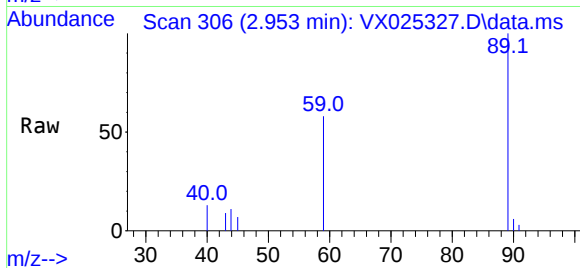
PK-10D-20211118RE

Tgt Ion: 59 Resp: 1977

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#14

Allyl chloride

Concen: 0.379 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.128 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

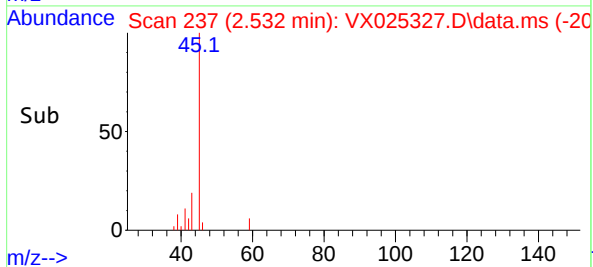
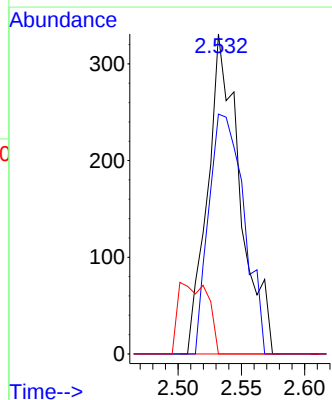
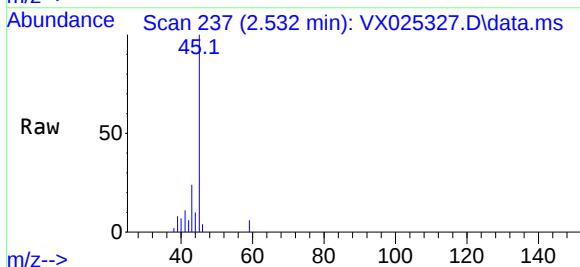
Tgt Ion: 41 Resp: 590

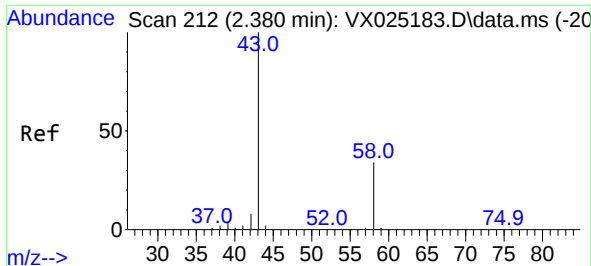
Ion Ratio Lower Upper

41 100

39 81.7 54.6 82.0

76 0.0 25.3 37.9#

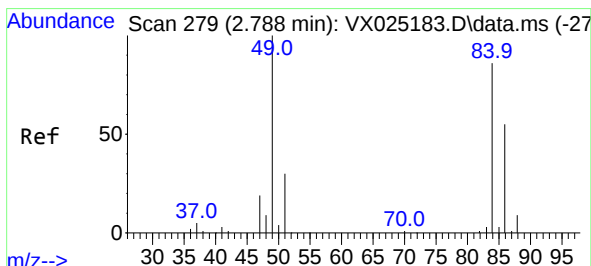
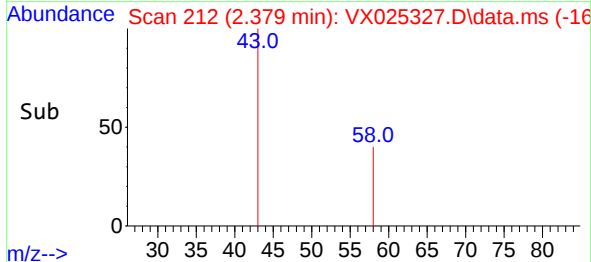
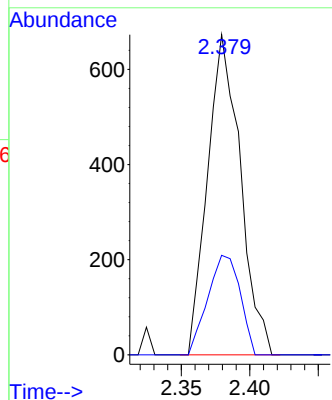
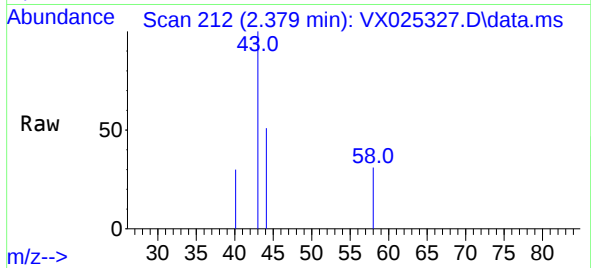




#16
Acetone
Concen: 2.058 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

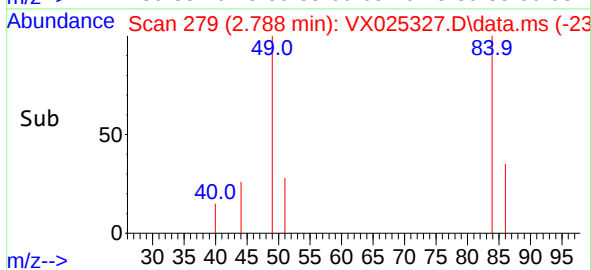
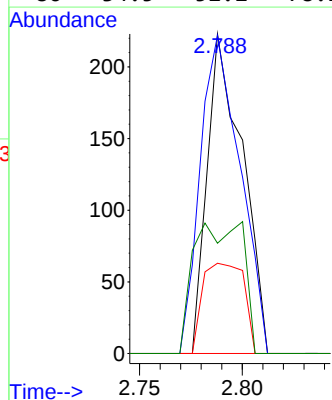
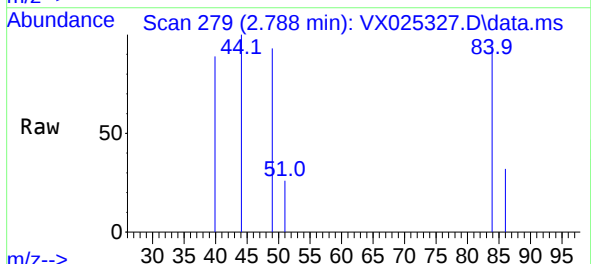
Instrument :
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ClientSampleId :
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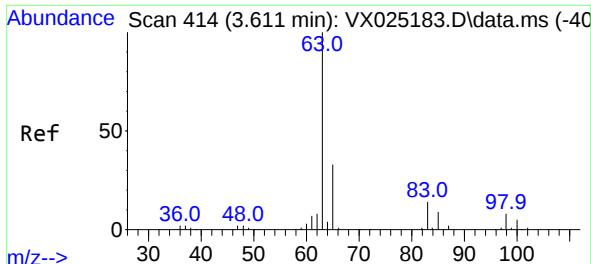
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 31.1 24.0 36.0



#20
Methylene Chloride
Concen: 0.259 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 84 Resp: 265
Ion Ratio Lower Upper
84 100
49 99.6 98.2 147.2
51 28.3 30.2 45.4#
86 34.5 52.2 78.2#

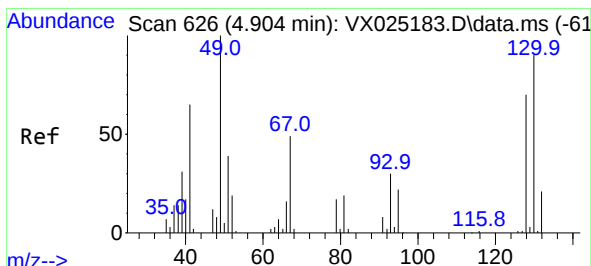
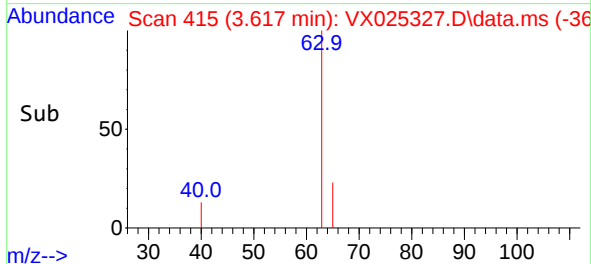
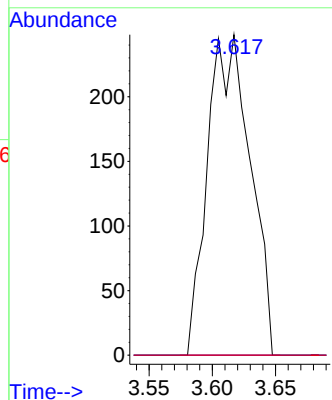
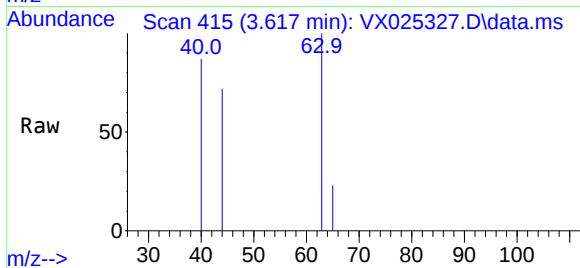




#24
1,1-Dichloroethane
Concen: 0.359 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

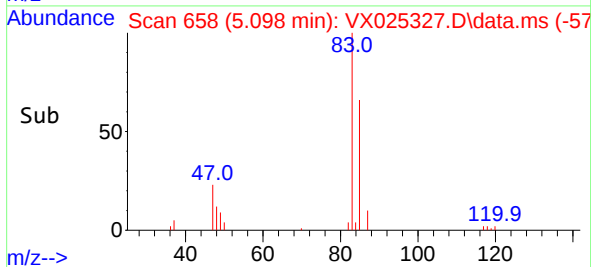
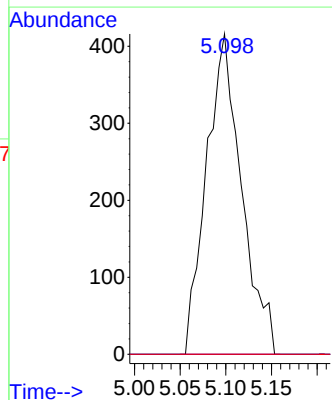
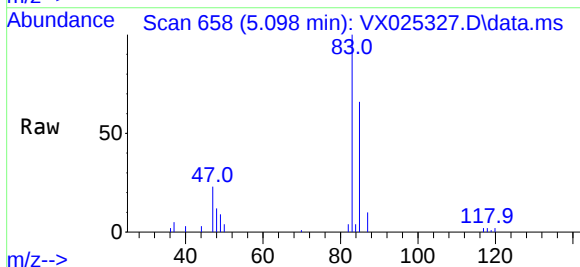
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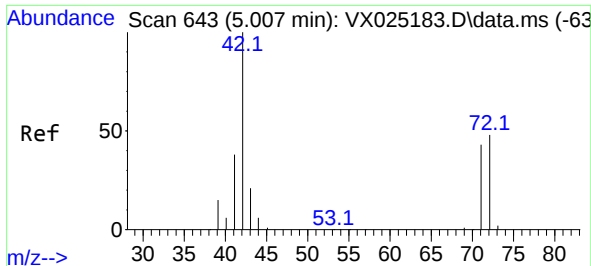
Tgt Ion: 63 Resp: 583
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.2#



#28
Bromochloromethane
Concen: 1.472 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.194 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 49 Resp: 1113
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 65.2 97.8#





#29

Tetrahydrofuran

Concen: 0.932 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

Instrument :

MSVOA_X

ClientSampleId :

PK-10D-20211118RE

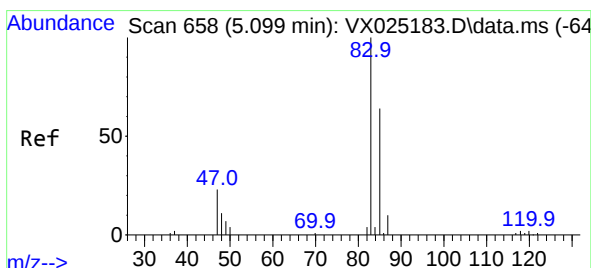
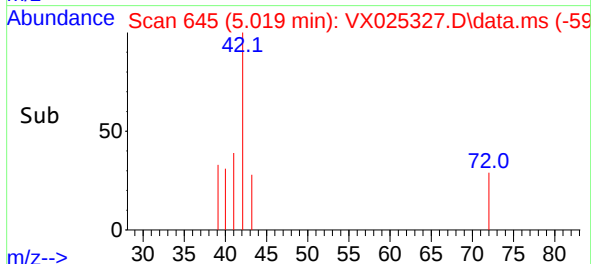
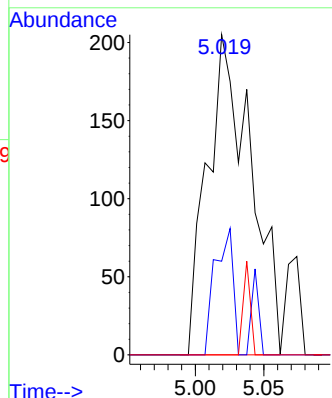
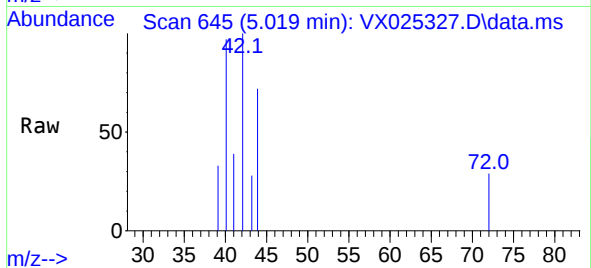
Tgt Ion: 42 Resp: 454

Ion Ratio Lower Upper

42 100

72 16.3 36.1 54.1#

71 0.0 33.7 50.5#



#30

Chloroform

Concen: 8.523 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX025327.D

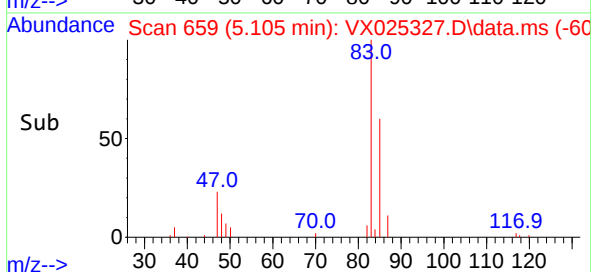
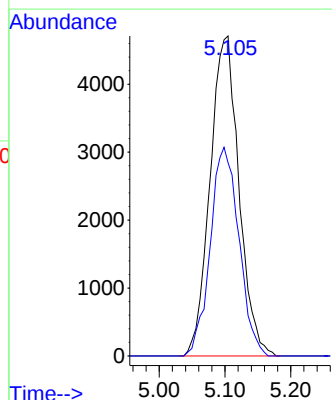
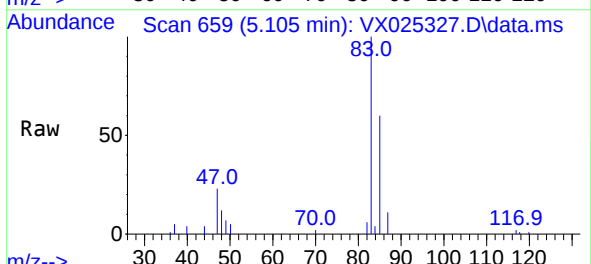
Acq: 24 Nov 2021 15:25

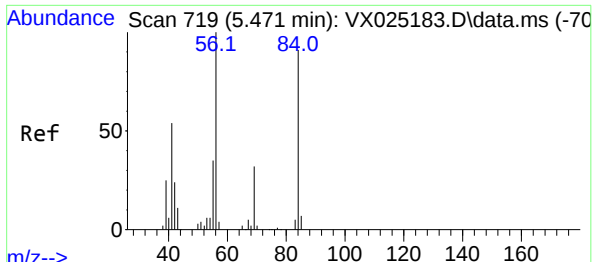
Tgt Ion: 83 Resp: 14387

Ion Ratio Lower Upper

83 100

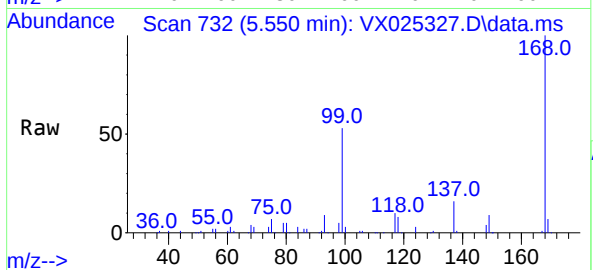
85 60.4 50.2 75.2



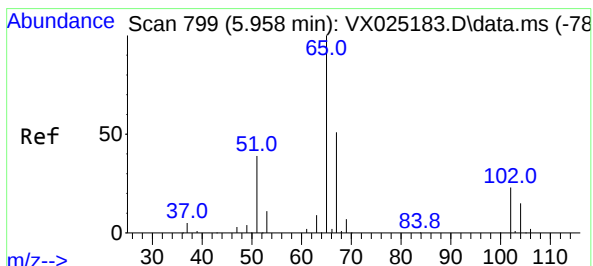
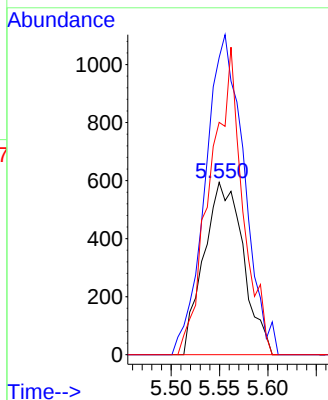
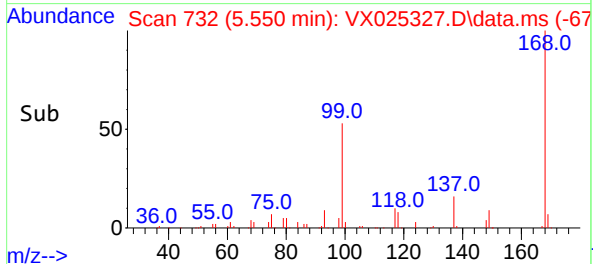


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Instrument :
MSVOA_X
ClientSampleId :
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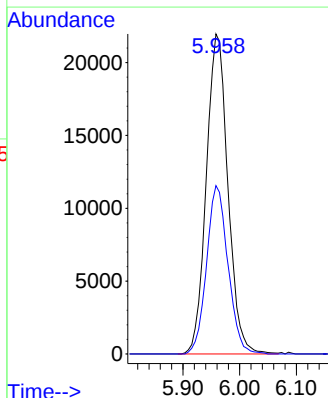
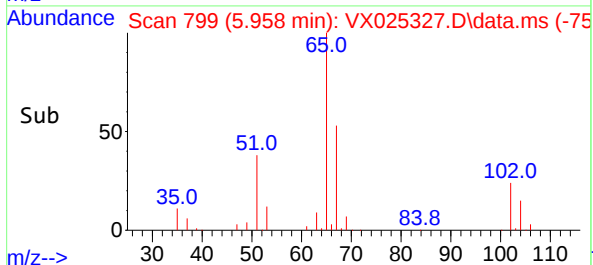
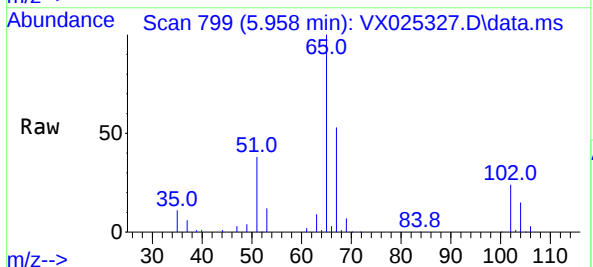


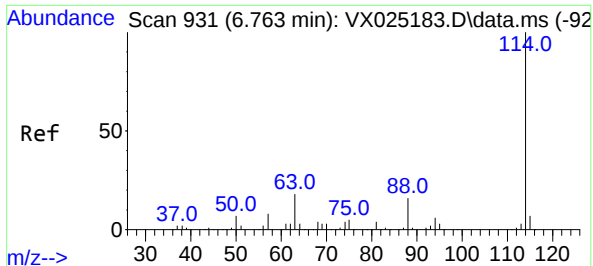
Tgt Ion: 56 Resp: 1685
Ion Ratio Lower Upper
56 100
69 172.4 24.2 36.2#
84 134.8 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 59.346 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 65 Resp: 58128
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

Instrument :

MSVOA_X

ClientSampleId :

PK-10D-20211118RE

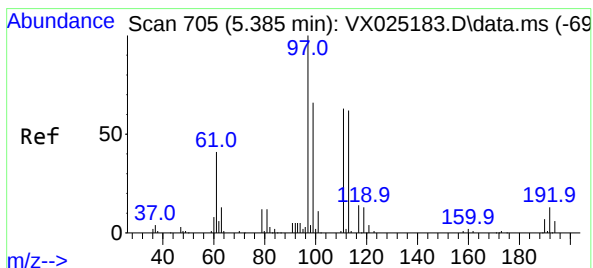
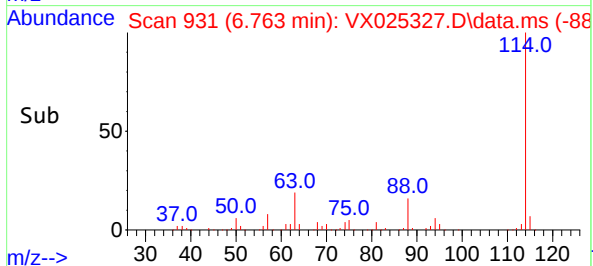
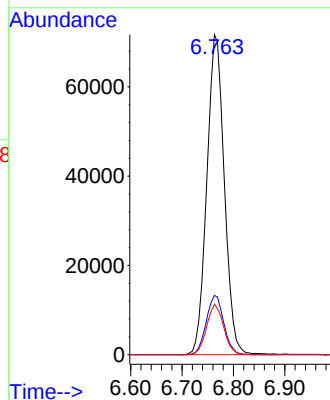
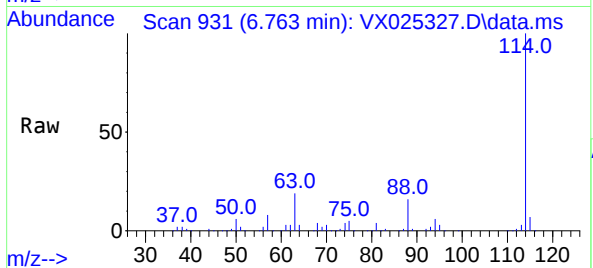
Tgt Ion:114 Resp: 169526

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 53.151 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

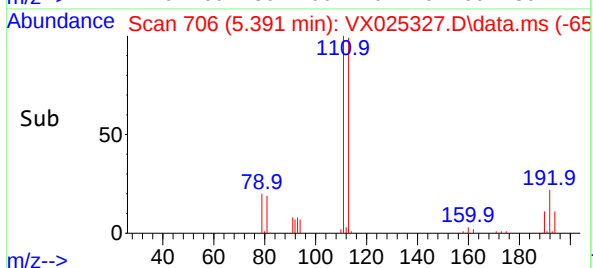
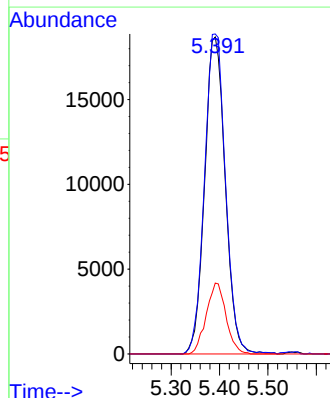
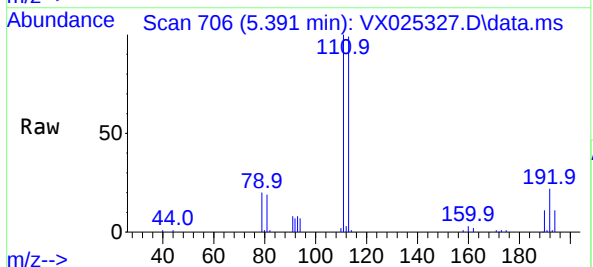
Tgt Ion:113 Resp: 55285

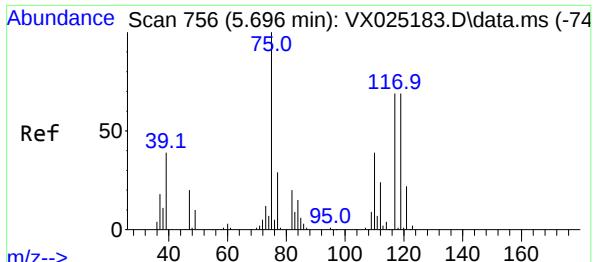
Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

192 21.5 15.6 23.4



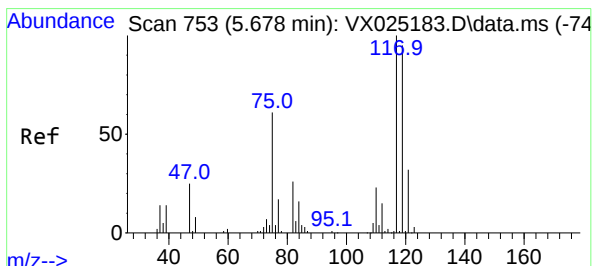
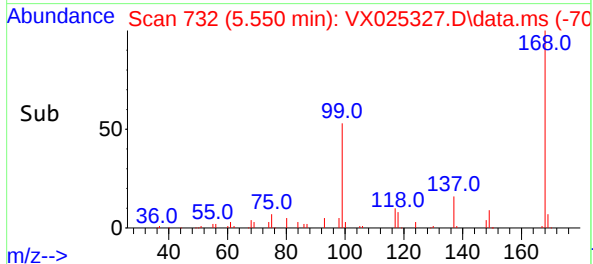
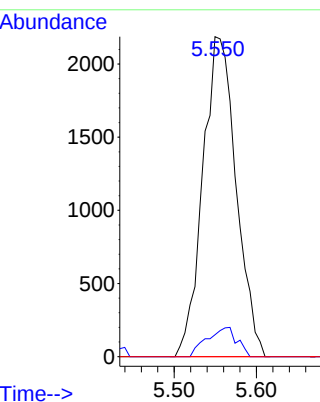
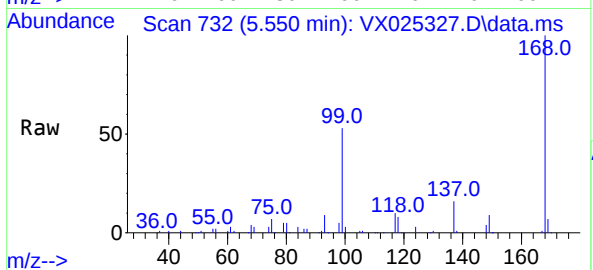


#36
1,1-Dichloropropene
Concen: 4.171 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

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

Tgt Ion: 75 Resp: 6169

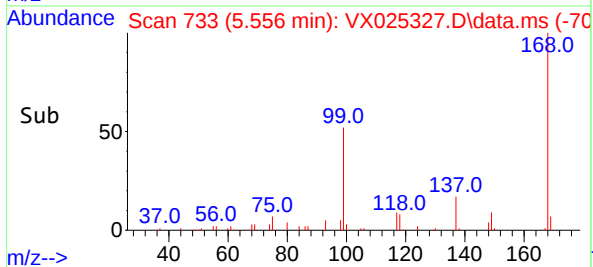
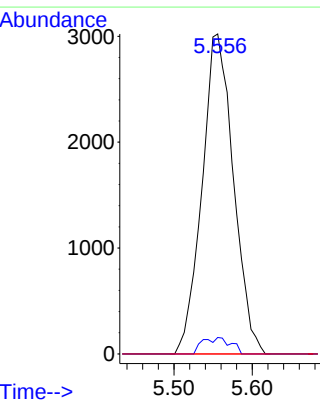
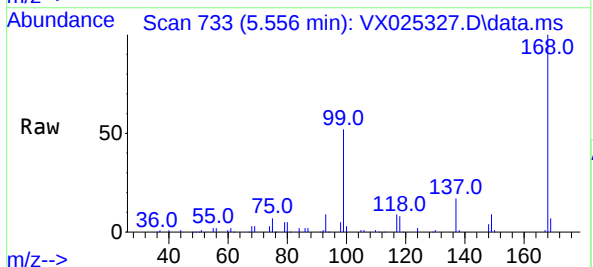
Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.3#
77	0.0	24.4	36.6#

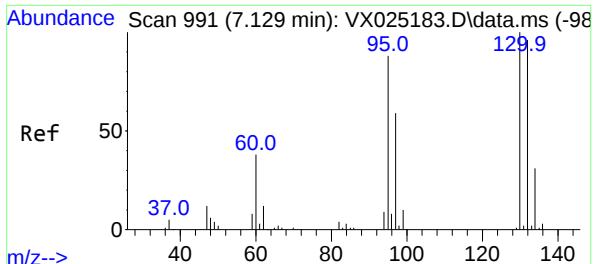


#38
Carbon Tetrachloride
Concen: 5.175 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 117 Resp: 8431

Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.6	113.4#
121	0.0	23.7	35.5#

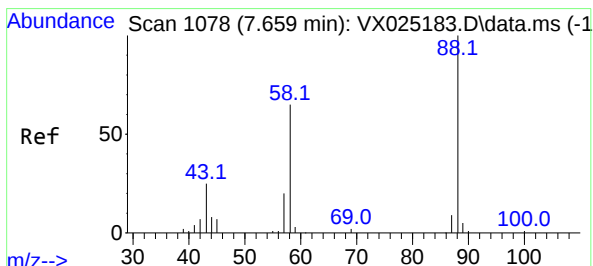
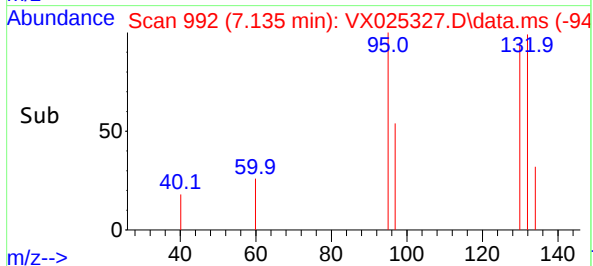
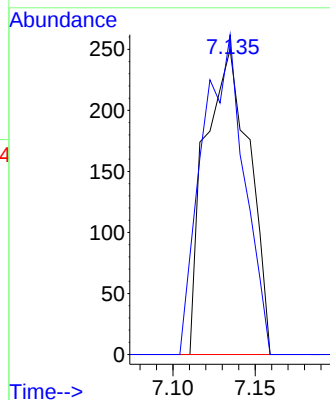
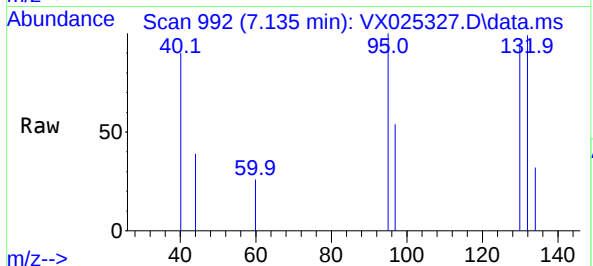




#44
Trichloroethene
Concen: 0.360 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

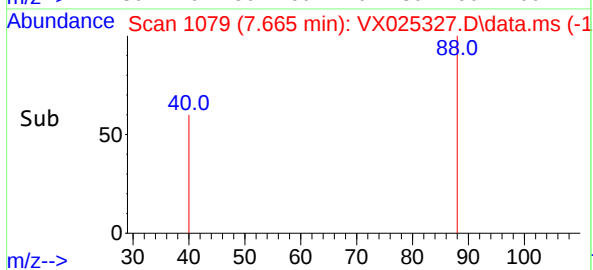
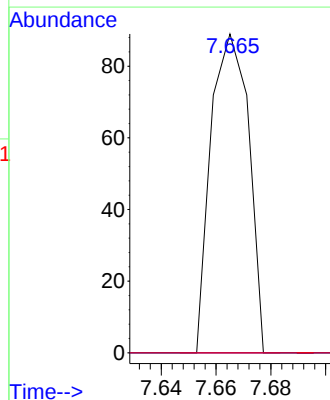
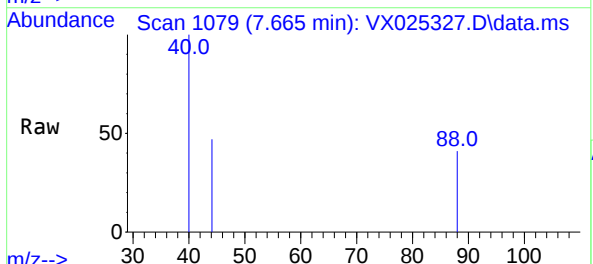
Instrument :
MSVOA_X
ClientSampleId :
PK-10D-20211118RE

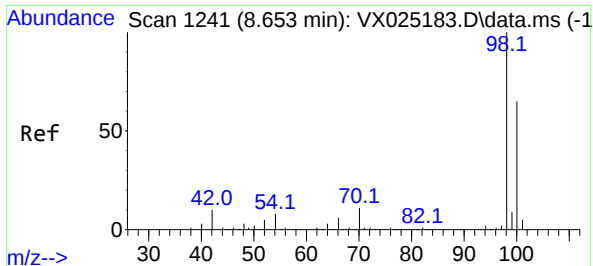
Tgt Ion:130 Resp: 469
Ion Ratio Lower Upper
130 100
95 104.8 0.0 196.8



#49
1,4-Dioxane
Concen: 3.062 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.6#
58 0.0 55.2 82.8#

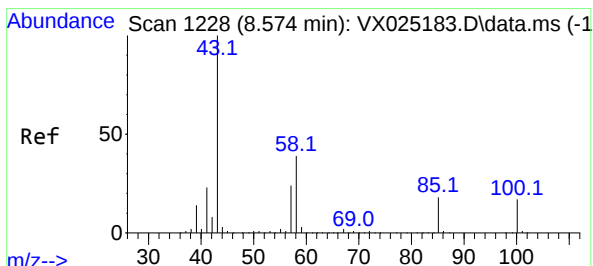
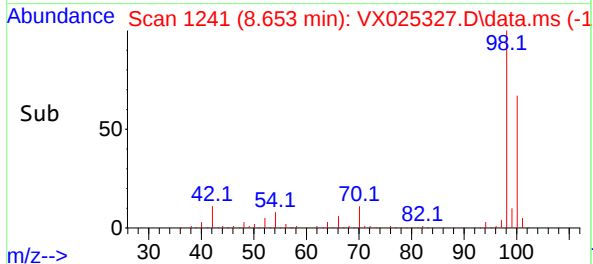
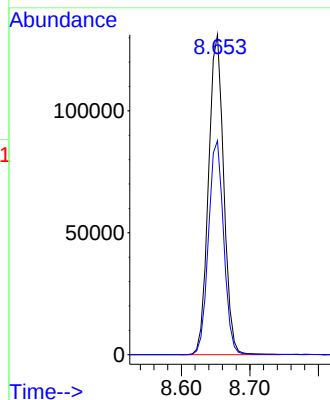
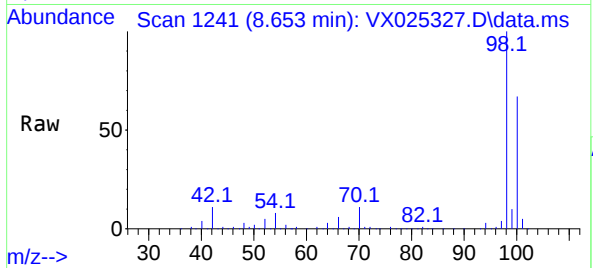




#50
Toluene-d8
Concen: 51.883 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

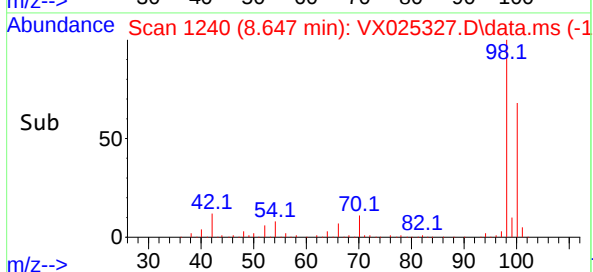
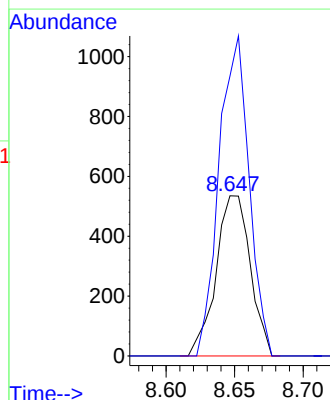
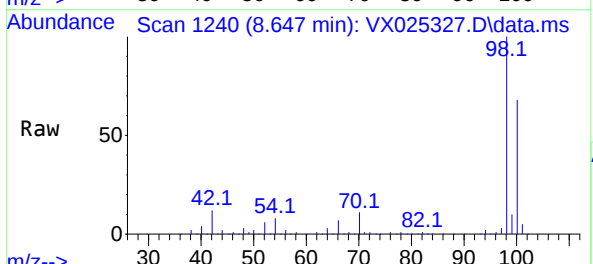
Instrument :
MSVOA_X
ClientSampleId :
PK-10D-20211118RE

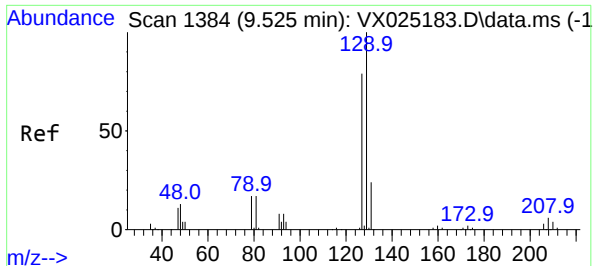
Tgt Ion: 98 Resp: 202907
Ion Ratio Lower Upper
98 100
100 67.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 174.8 30.9 46.3#





#60

Dibromochloromethane

Concen: 0.292 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

Instrument :

MSVOA_X

ClientSampleId :

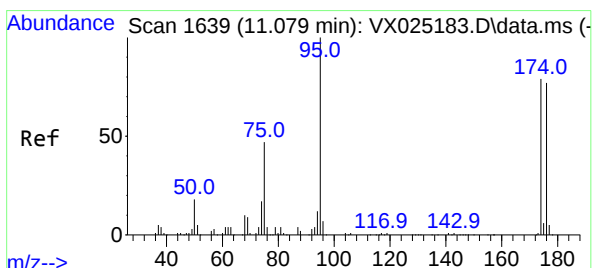
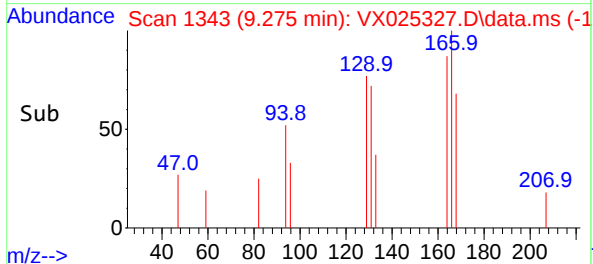
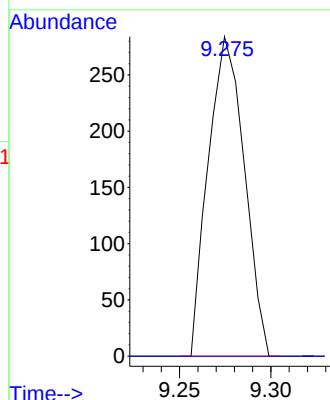
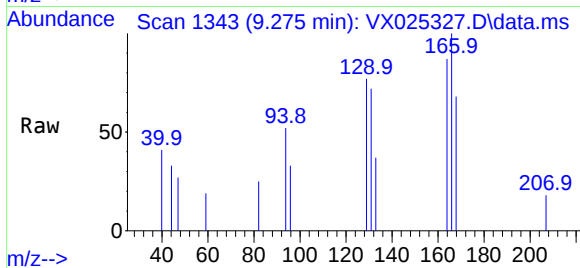
PK-10D-20211118RE

Tgt Ion:129 Resp: 391

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 51.623 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

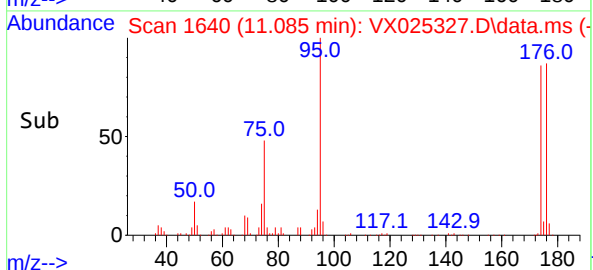
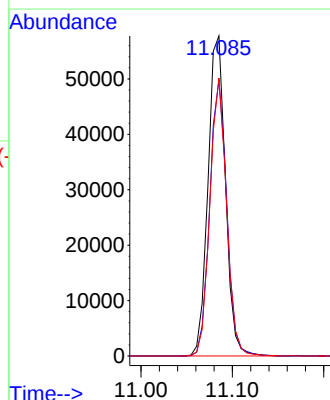
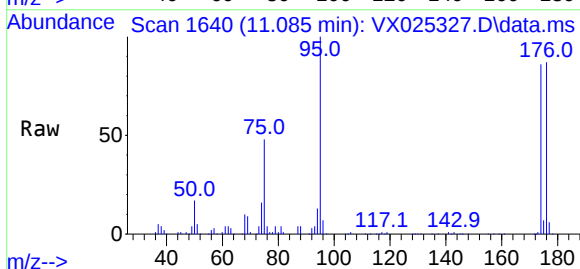
Tgt Ion: 95 Resp: 76377

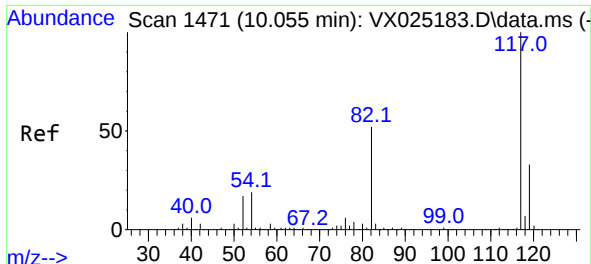
Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.0

176 82.8 0.0 153.6

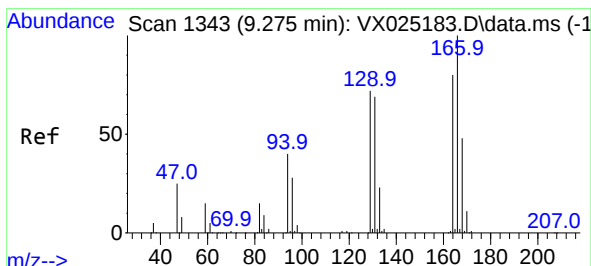
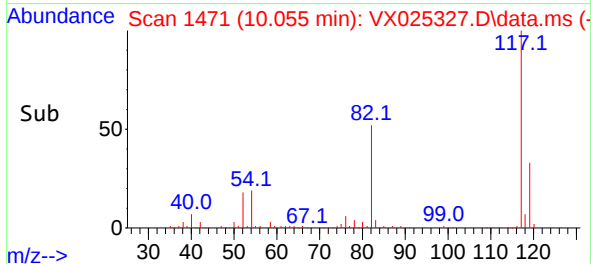
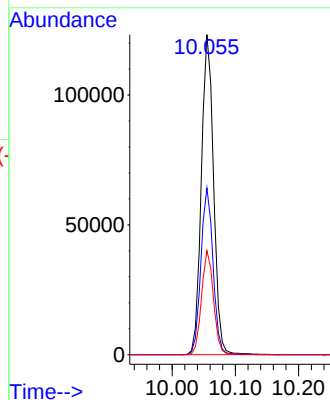
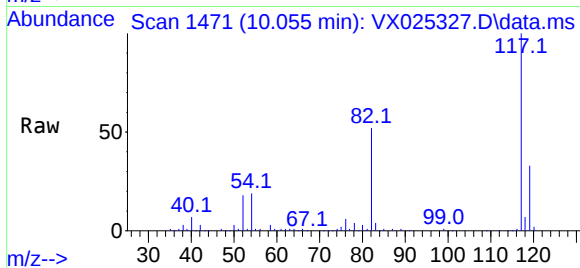




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

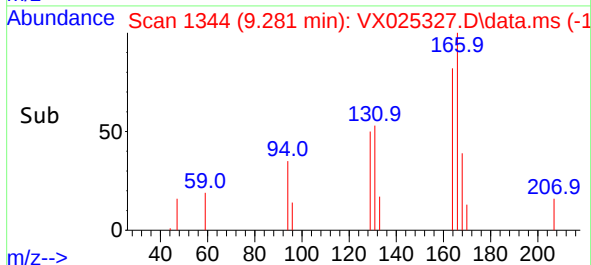
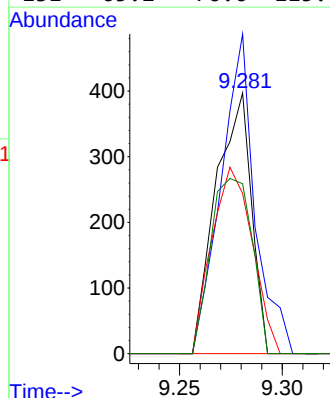
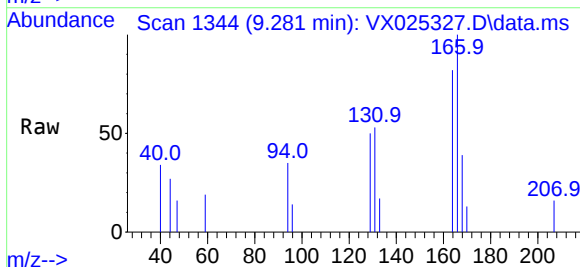
Instrument :
MSVOA_X
ClientSampleId :
PK-10D-20211118RE

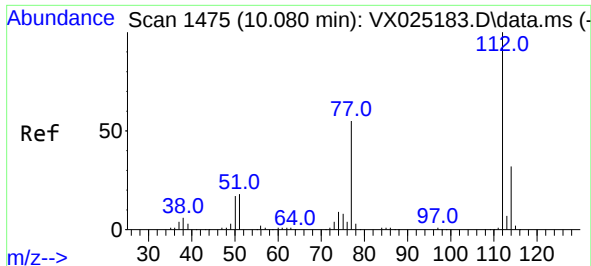
Tgt Ion:117 Resp: 166288
Ion Ratio Lower Upper
117 100
82 52.1 44.6 67.0
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 0.347 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion:164 Resp: 476
Ion Ratio Lower Upper
164 100
166 122.7 103.2 154.8
129 61.5 81.0 121.4#
131 65.2 76.6 115.0#

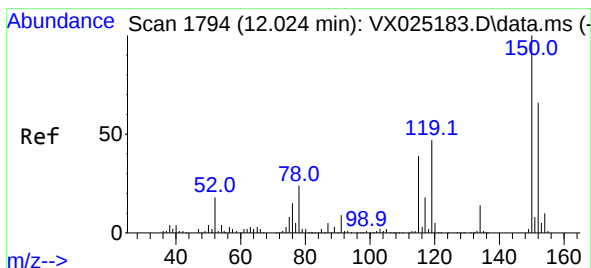
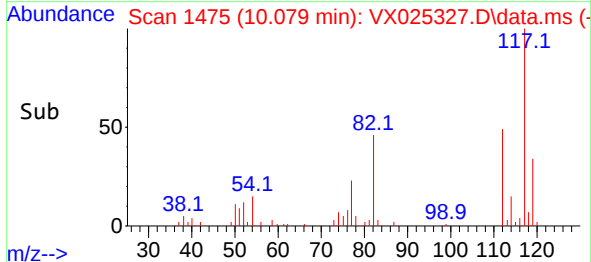
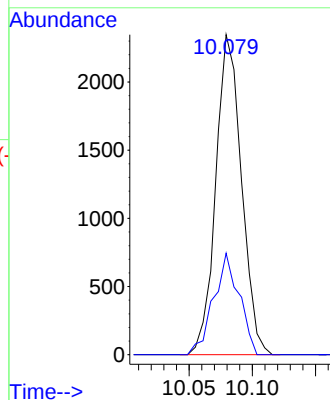
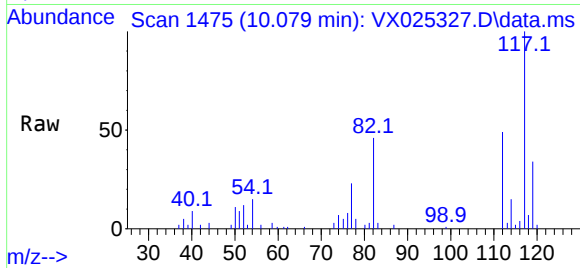




#65
Chlorobenzene
Concen: 0.978 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

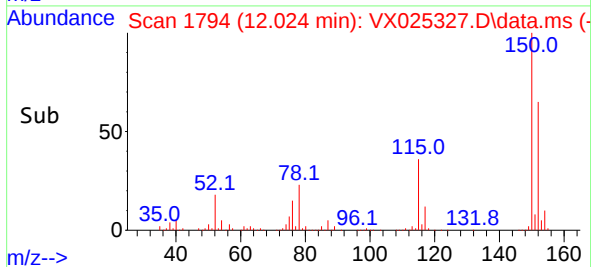
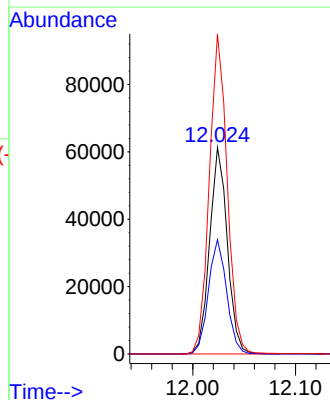
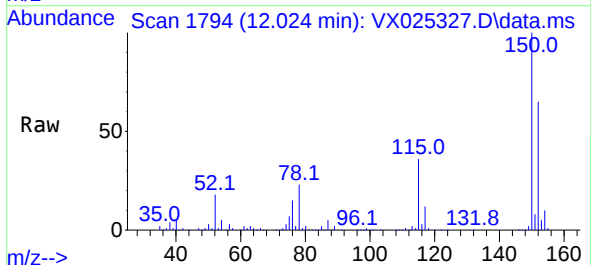
Instrument :
MSVOA_X
ClientSampleId :
PK-10D-20211118RE

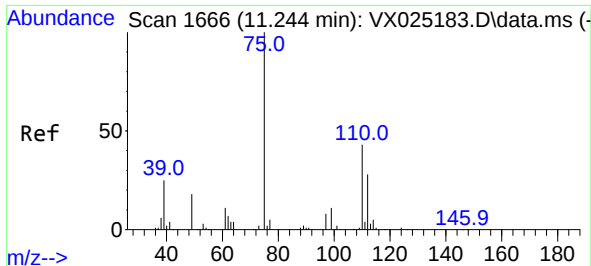
Tgt Ion:112 Resp: 3313
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion:152 Resp: 73585
Ion Ratio Lower Upper
152 100
115 57.0 43.3 129.8
150 156.2 0.0 351.2

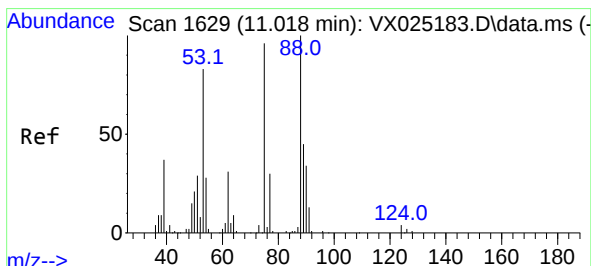
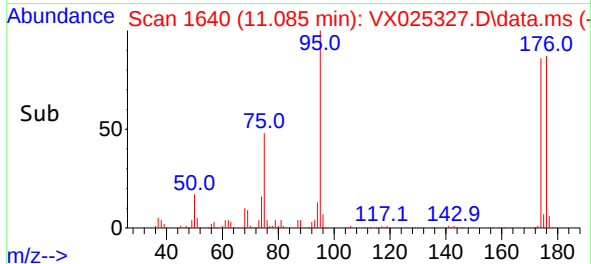
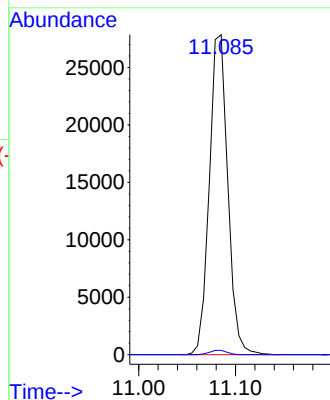
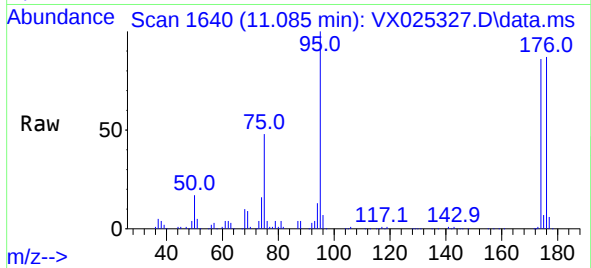




#76
1,2,3-Trichloropropane
Concen: 24.568 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

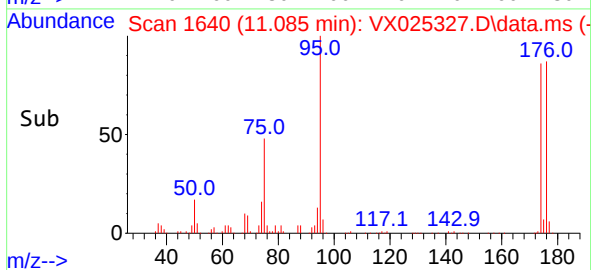
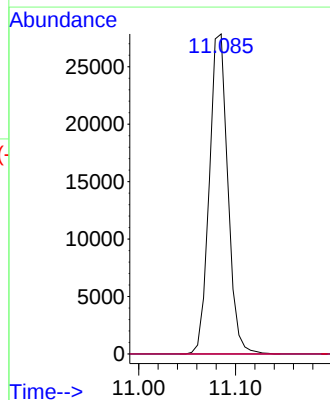
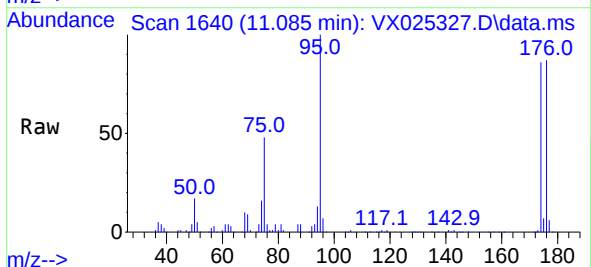
Instrument :
MSVOA_X
ClientSampleId :
PK-10D-20211118RE

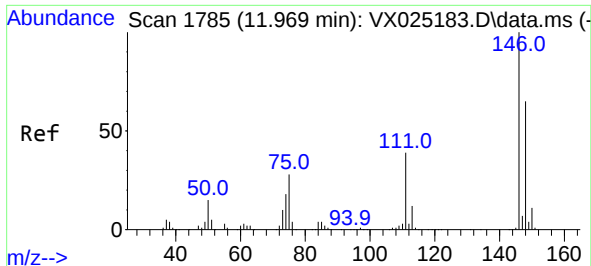
Tgt Ion: 75 Resp: 37021
Ion Ratio Lower Upper
75 100
77 1.3 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.891 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025327.D
Acq: 24 Nov 2021 15:25

Tgt Ion: 75 Resp: 37021
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#87

1,3-Dichlorobenzene

Concen: 0.376 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.073 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

Instrument :

MSVOA_X

ClientSampleId :

PK-10D-20211118RE

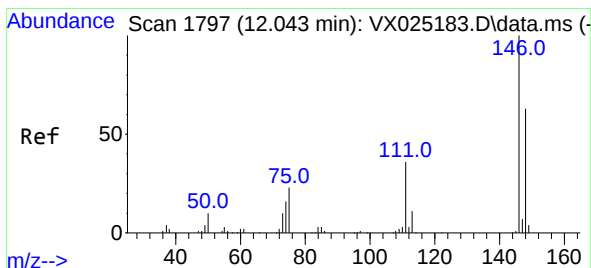
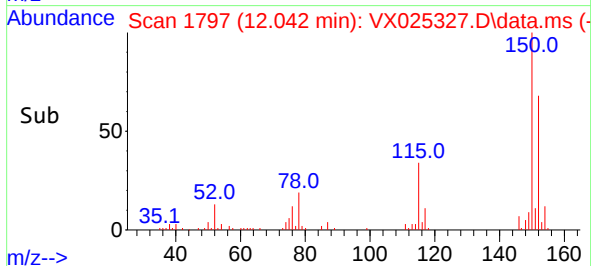
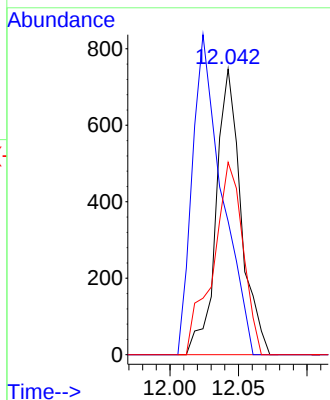
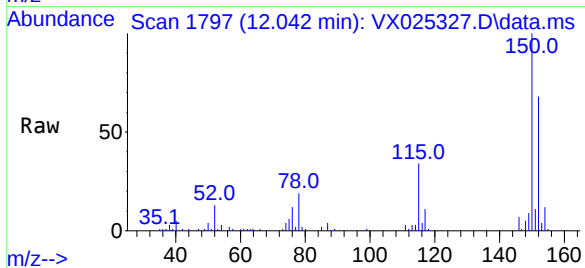
Tgt Ion:146 Resp: 945

Ion Ratio Lower Upper

146 100

111 133.9 20.6 61.9#

148 81.0 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.371 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.001 min

Lab File: VX025327.D

Acq: 24 Nov 2021 15:25

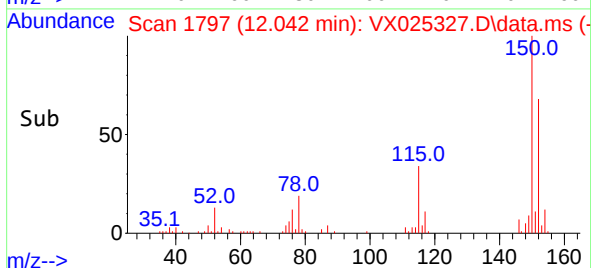
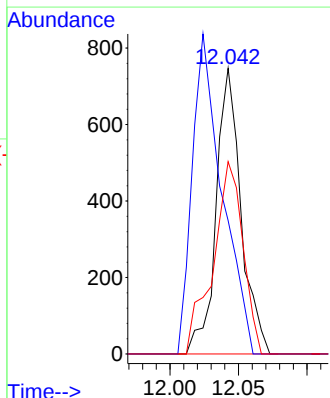
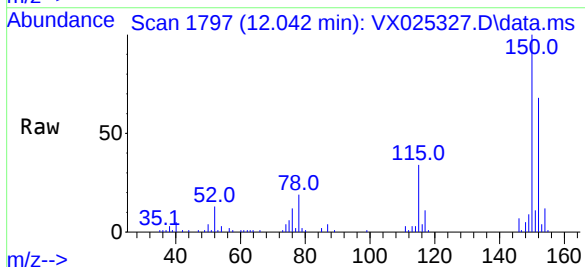
Tgt Ion:146 Resp: 945

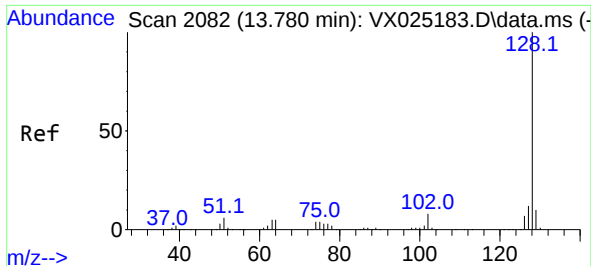
Ion Ratio Lower Upper

146 100

111 133.9 20.4 61.3#

148 81.0 32.4 97.0





#95

Naphthalene

Concen: Below Cal

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX025327.D

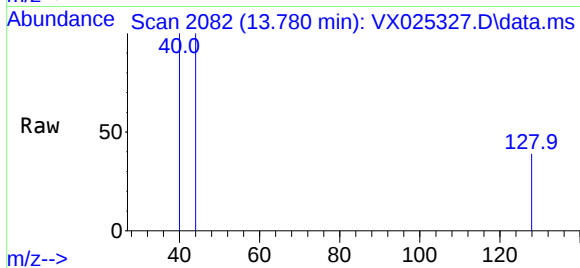
Acq: 24 Nov 2021 15:25

Instrument :

MSVOA_X

ClientSampleId :

PK-10D-20211118RE



Tgt Ion:128 Resp: 48

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

