

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035047.D
 Acq On : 12 Apr 2023 15:37
 Operator : JC/MD
 Sample : 02319-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

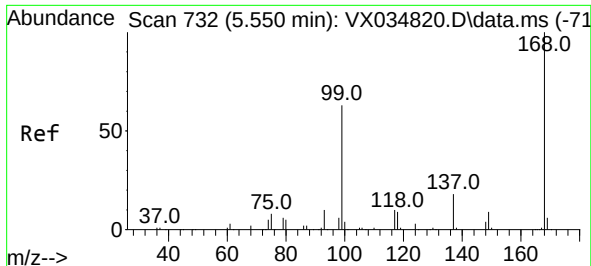
Instrument :
 MSVOA_X
 ClientSampleId :
 E9074-PVSC-002

Quant Time: Apr 13 02:36:09 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	271373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	459316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	202687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	187748	45.238	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.480%
35) Dibromofluoromethane	5.385	113	142631	46.949	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.900%
50) Toluene-d8	8.647	98	548211	48.889	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.780%
62) 4-Bromofluorobenzene	11.098	95	212935	49.071	ug/l	0.02
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1008	0.297	ug/l #	61
16) Acetone	2.398	43	94565	56.089	ug/l	97
17) Carbon Disulfide	2.514	76	5189	0.744	ug/l	98
40) Benzene	6.038	78	5238	0.405	ug/l	97
52) Toluene	8.720	92	271827	32.267	ug/l	98
65) Chlorobenzene	10.080	112	6620	0.764	ug/l	95
67) Ethyl Benzene	10.195	91	1596215	101.660	ug/l	98
68) m/p-Xylenes	10.299	106	124328	20.729	ug/l	99
69) o-Xylene	10.647	106	33791	5.751	ug/l	99
70) Styrene	10.659	104	14891	1.588	ug/l #	74
83) tert-Butylbenzene	11.726	119	671822	57.633	ug/l	92
85) sec-Butylbenzene	11.890	105	1665417	117.436	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	1894	0.283	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	7035	1.048	ug/l #	84
93) 1,2,4-Trichlorobenzene	13.591	180	4352	1.147	ug/l	95
95) Naphthalene	13.780	128	27473	2.037	ug/l #	94

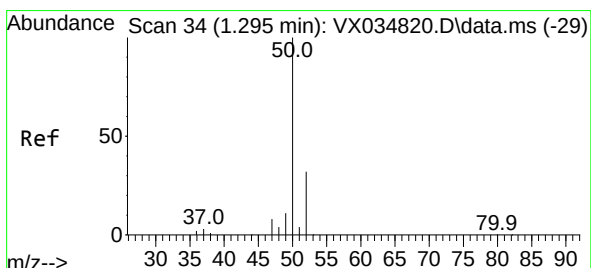
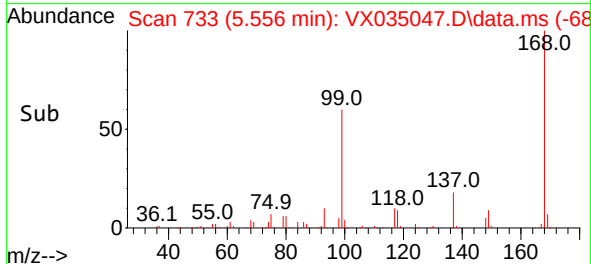
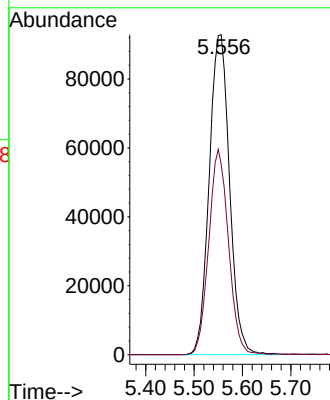
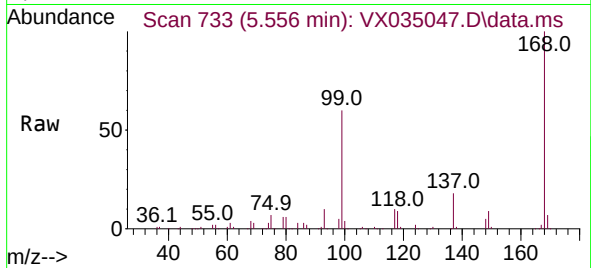
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035047.D
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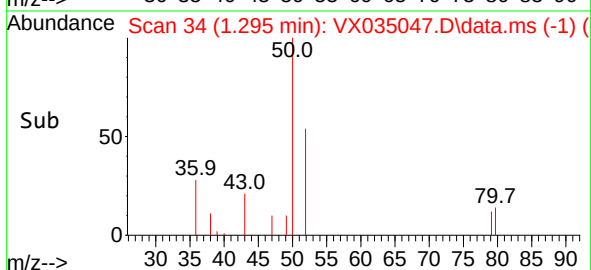
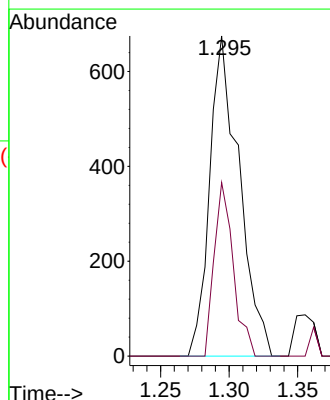
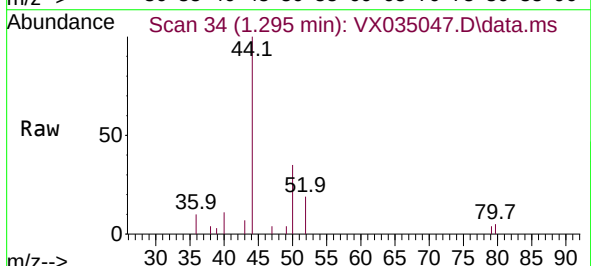
Instrument :
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E9074-PVSC-002

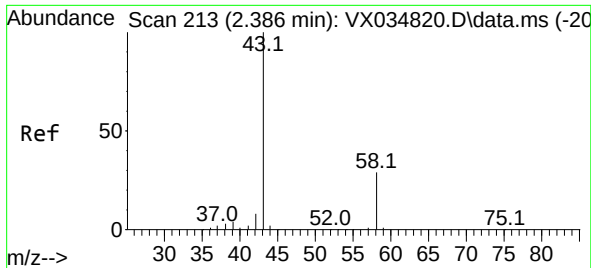
Tgt Ion:168 Resp: 271373
Ion Ratio Lower Upper
168 100
99 59.6 45.7 68.5



#3
Chloromethane
Concen: 0.297 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Tgt Ion: 50 Resp: 1008
Ion Ratio Lower Upper
50 100
52 54.2 25.9 38.9#





#16

Acetone

Concen: 56.089 ug/l

RT: 2.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX035047.D

Acq: 12 Apr 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

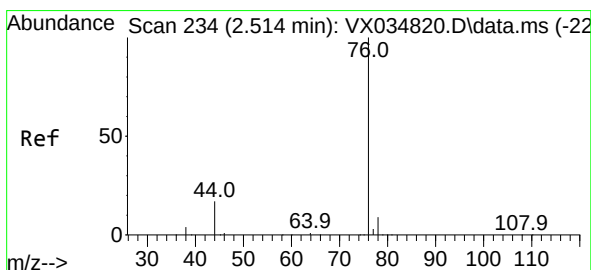
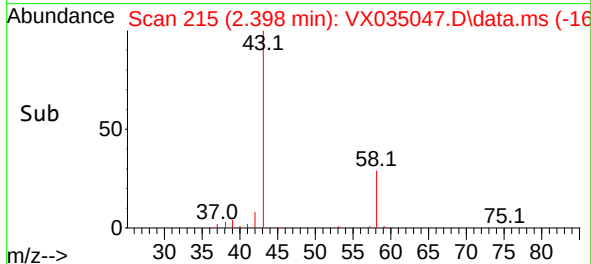
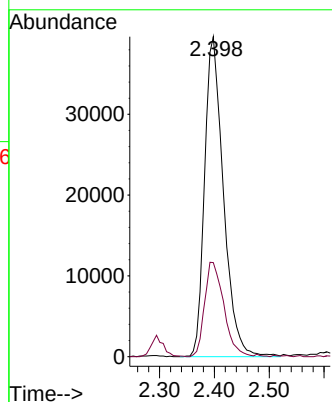
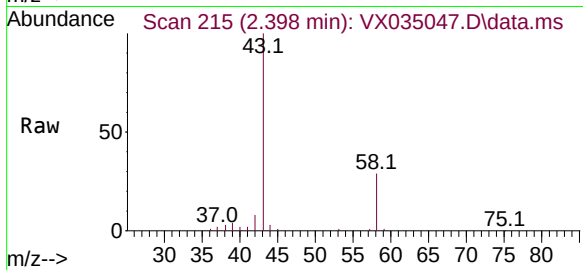
E9074-PVSC-002

Tgt Ion: 43 Resp: 94565

Ion Ratio Lower Upper

43 100

58 29.2 24.7 37.1



#17

Carbon Disulfide

Concen: 0.744 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX035047.D

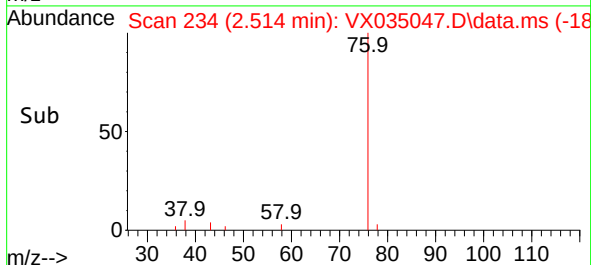
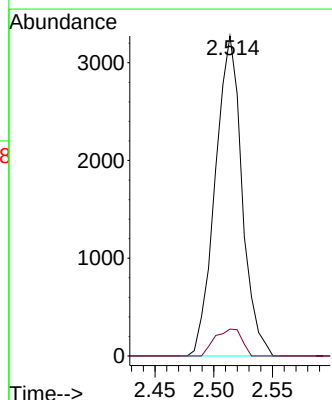
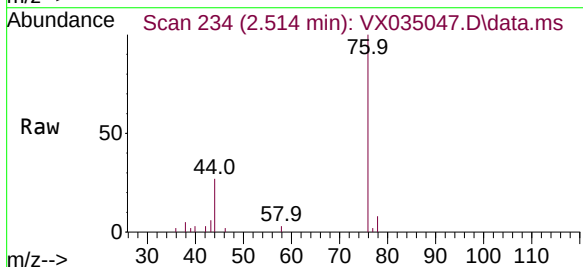
Acq: 12 Apr 2023 15:37

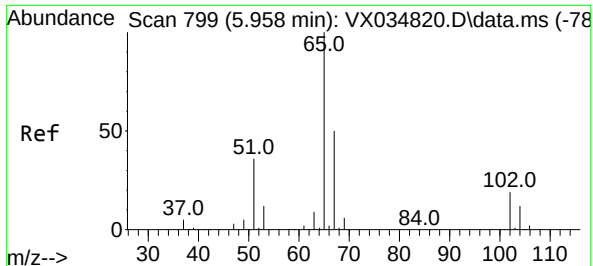
Tgt Ion: 76 Resp: 5189

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8





#33

1,2-Dichloroethane-d4

Concen: 45.238 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035047.D

Acq: 12 Apr 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

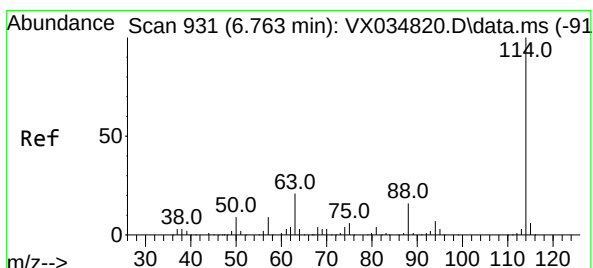
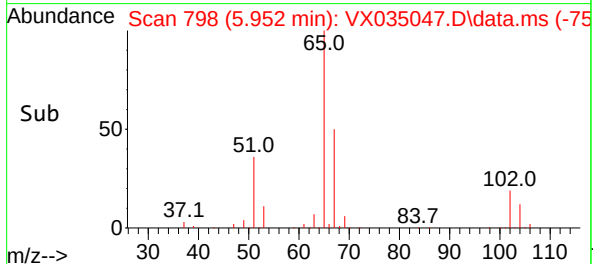
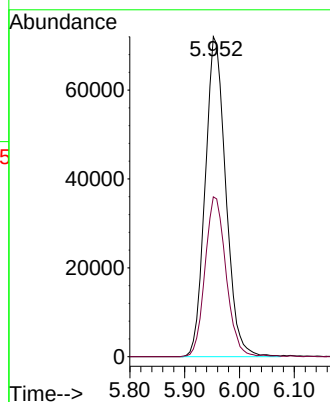
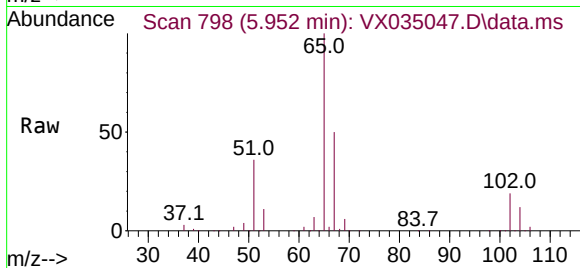
E9074-PVSC-002

Tgt Ion: 65 Resp: 187748

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035047.D

Acq: 12 Apr 2023 15:37

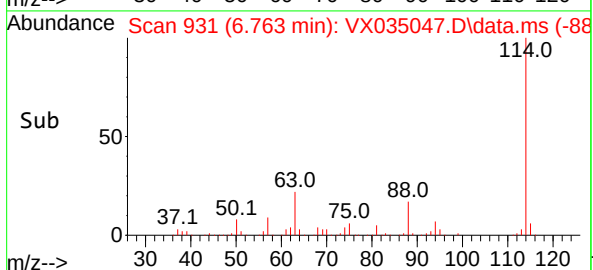
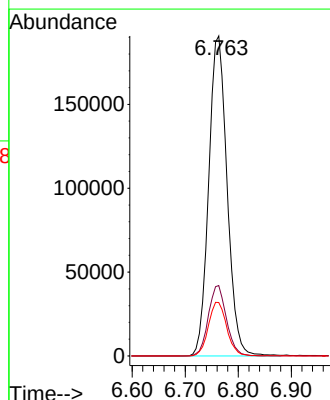
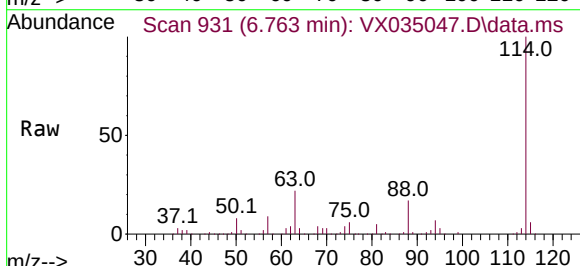
Tgt Ion: 114 Resp: 459316

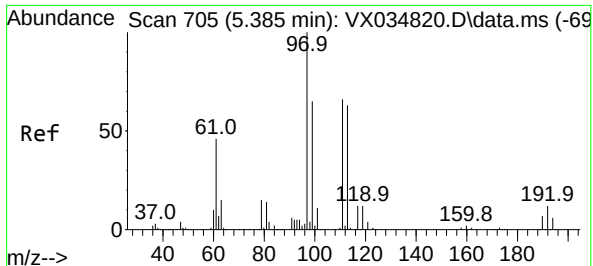
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.949 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035047.D

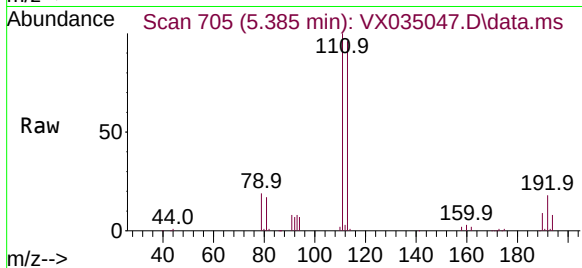
Acq: 12 Apr 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

E9074-PVSC-002



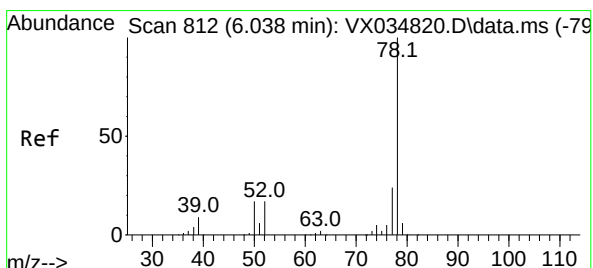
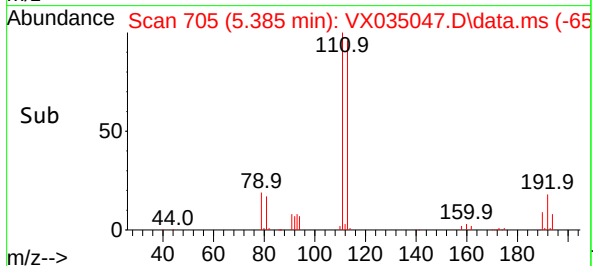
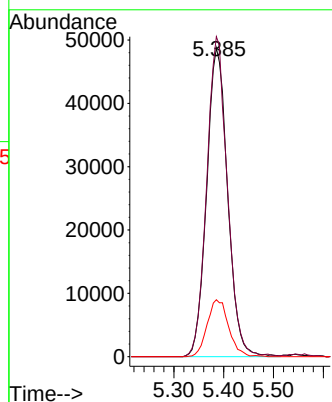
Tgt Ion:113 Resp: 142631

Ion Ratio Lower Upper

113 100

111 101.6 83.7 125.5

192 18.9 15.4 23.2



#40

Benzene

Concen: 0.405 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX035047.D

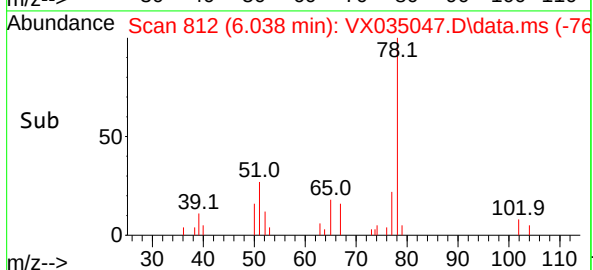
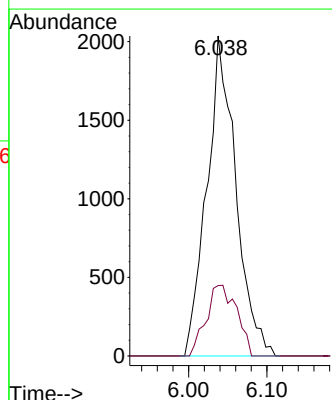
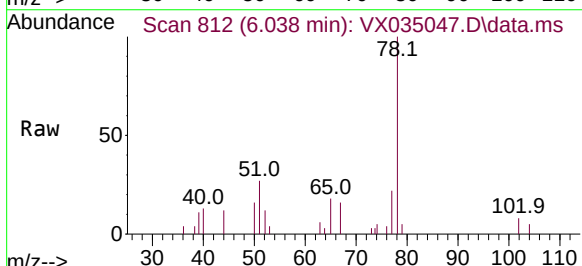
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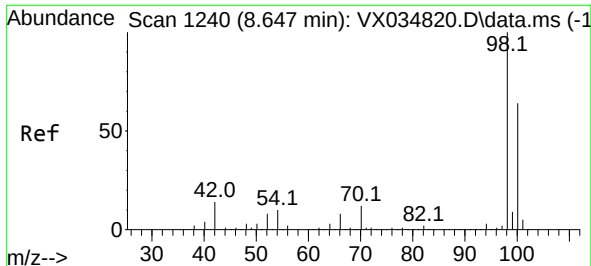
Tgt Ion: 78 Resp: 5238

Ion Ratio Lower Upper

78 100

77 22.0 19.0 28.4

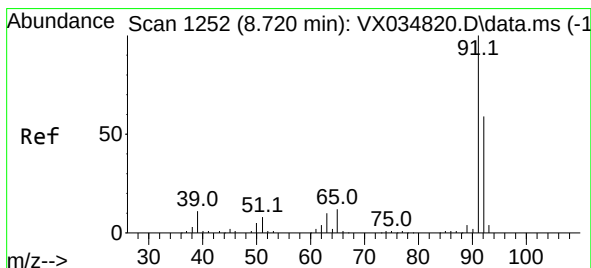
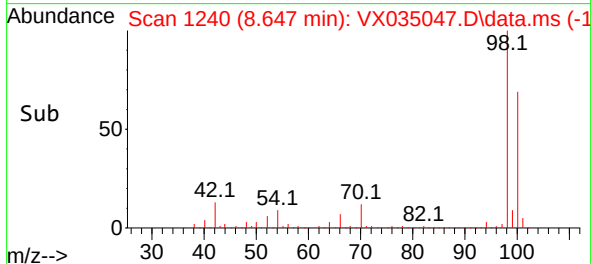
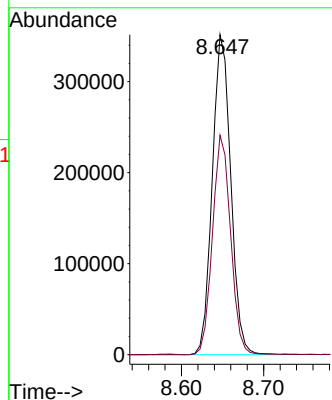
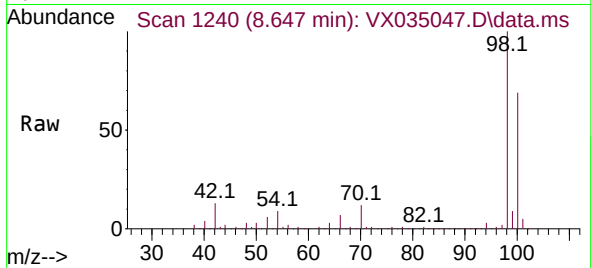




#50
Toluene-d8
Concen: 48.889 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

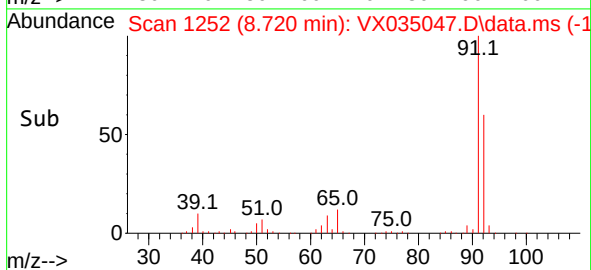
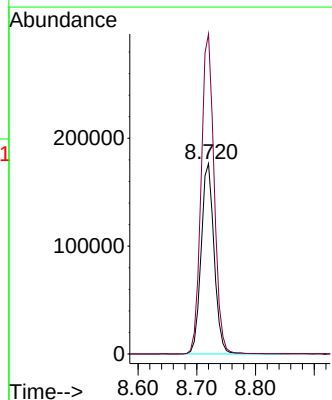
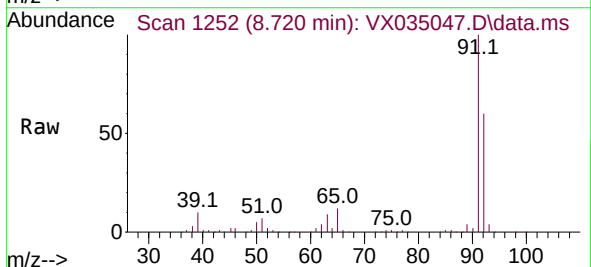
Instrument :
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E9074-PVSC-002

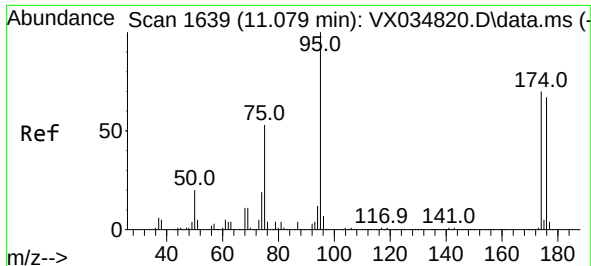
Tgt Ion: 98 Resp: 548211
Ion Ratio Lower Upper
98 100
100 67.5 52.5 78.7



#52
Toluene
Concen: 32.267 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Tgt Ion: 92 Resp: 271827
Ion Ratio Lower Upper
92 100
91 168.4 136.8 205.2

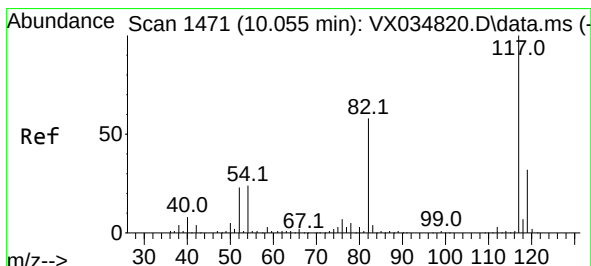
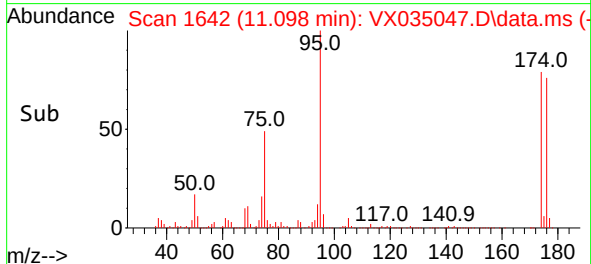
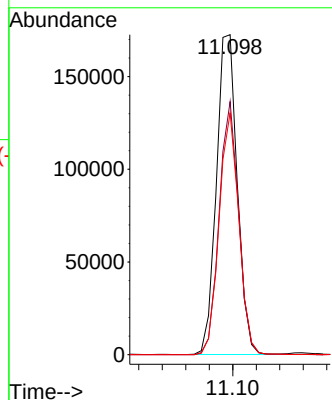
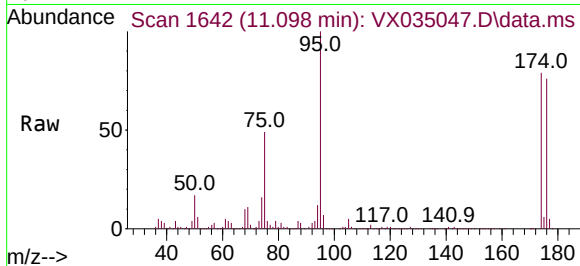




#62
4-Bromofluorobenzene
Concen: 49.071 ug/l
RT: 11.098 min Scan# 1642
Delta R.T. 0.018 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

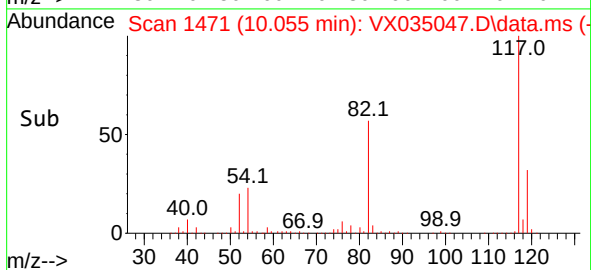
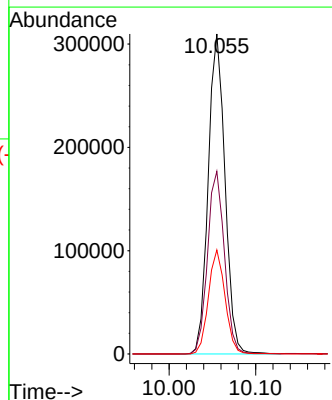
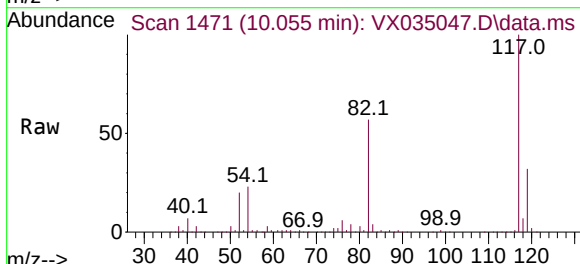
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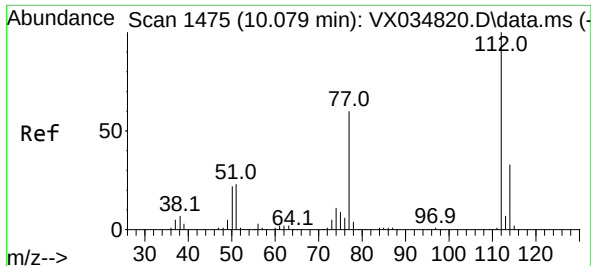
Tgt Ion: 95 Resp: 212935
Ion Ratio Lower Upper
95 100
174 73.8 0.0 147.4
176 71.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Tgt Ion: 117 Resp: 416579
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 32.5 26.0 39.0

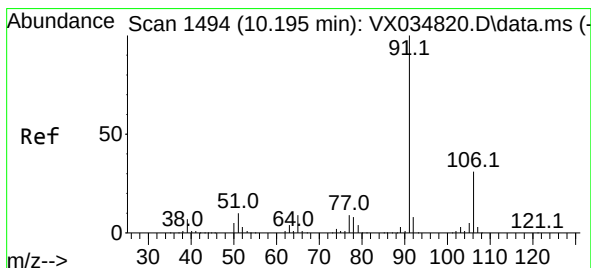
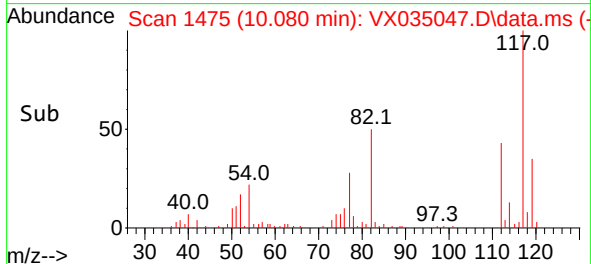
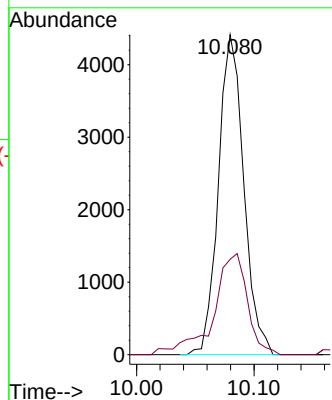
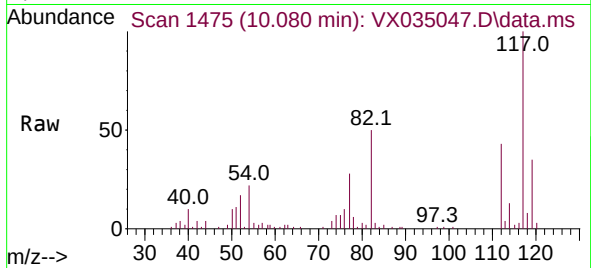




#65
Chlorobenzene
Concen: 0.764 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

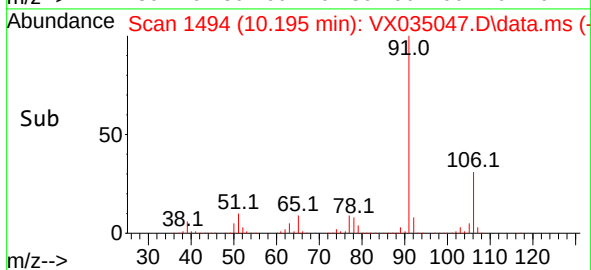
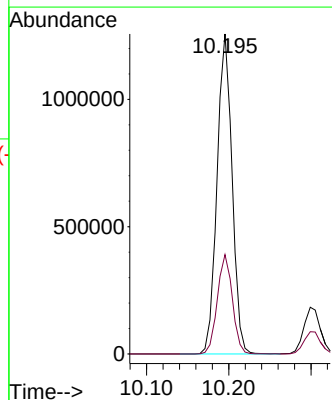
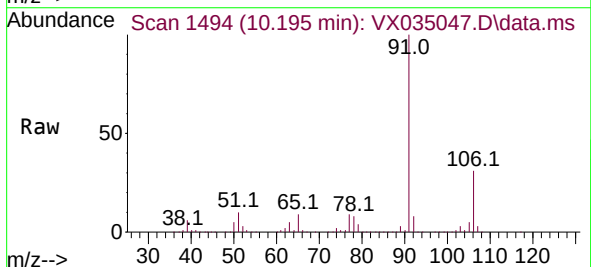
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MSVOA_X
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E9074-PVSC-002

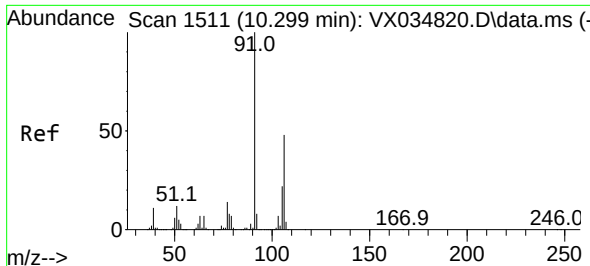
Tgt Ion:112 Resp: 6620
Ion Ratio Lower Upper
112 100
114 29.8 26.2 39.2



#67
Ethyl Benzene
Concen: 101.660 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Tgt Ion: 91 Resp: 1596215
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4

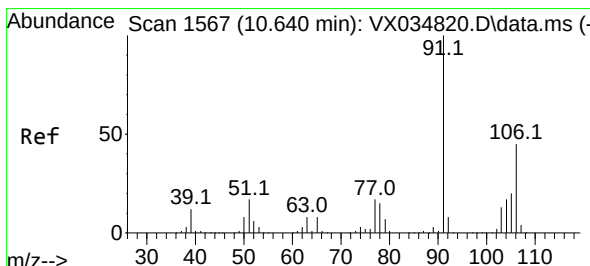
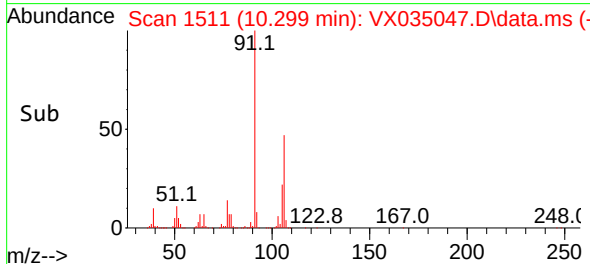
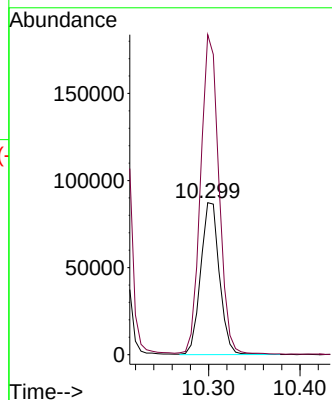
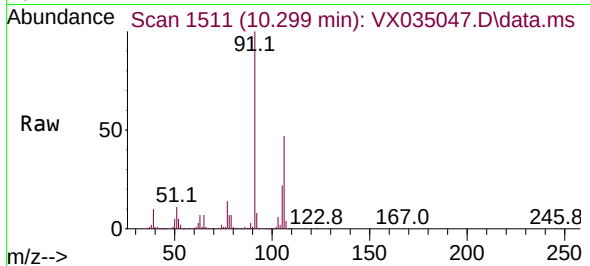




#68
m/p-Xylenes
Concen: 20.729 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

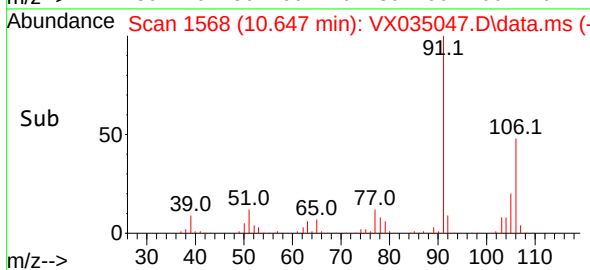
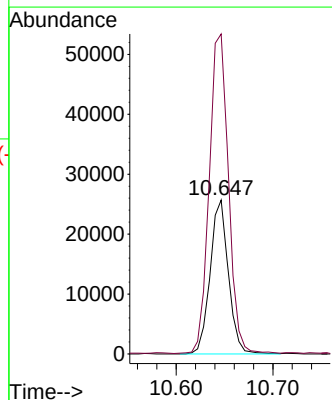
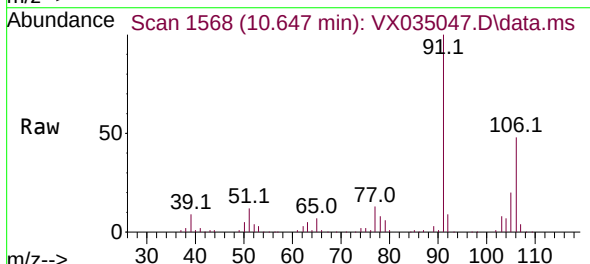
Instrument :
MSVOA_X
ClientSampleId :
E9074-PVSC-002

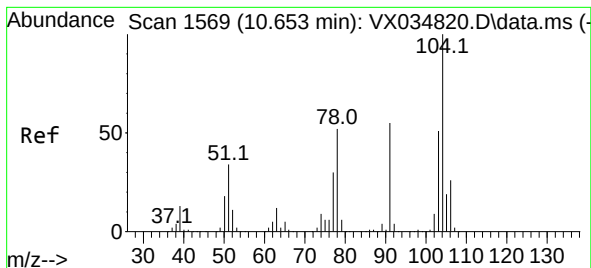
Tgt Ion:106 Resp: 124328
Ion Ratio Lower Upper
106 100
91 206.6 164.0 246.0



#69
o-Xylene
Concen: 5.751 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Tgt Ion:106 Resp: 33791
Ion Ratio Lower Upper
106 100
91 218.6 108.5 325.3





#70

Styrene

Concen: 1.588 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035047.D

Acq: 12 Apr 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

E9074-PVSC-002

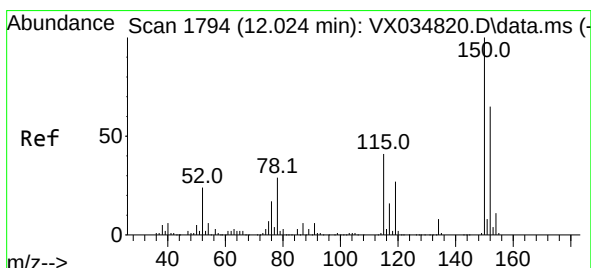
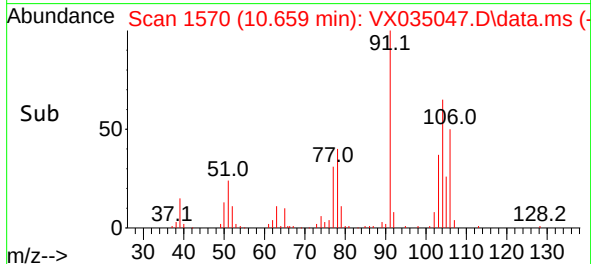
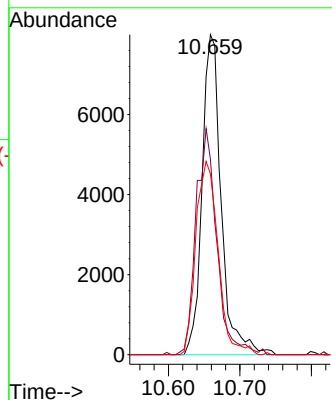
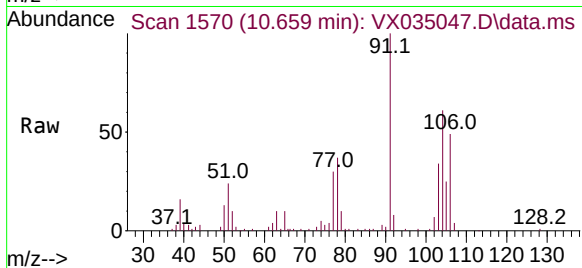
Tgt Ion:104 Resp: 14891

Ion Ratio Lower Upper

104 100

78 76.4 43.4 65.2#

103 70.2 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035047.D

Acq: 12 Apr 2023 15:37

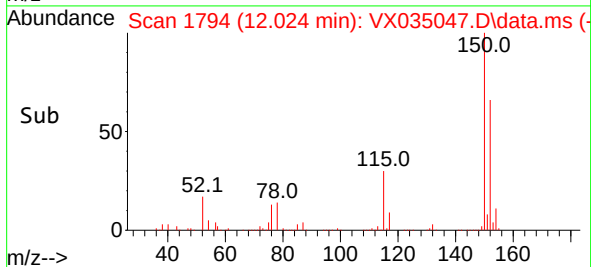
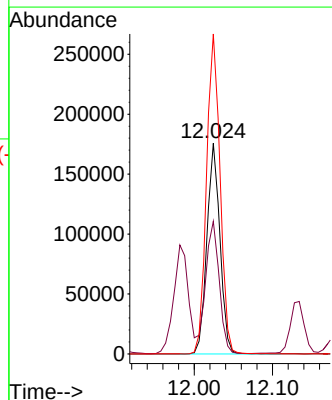
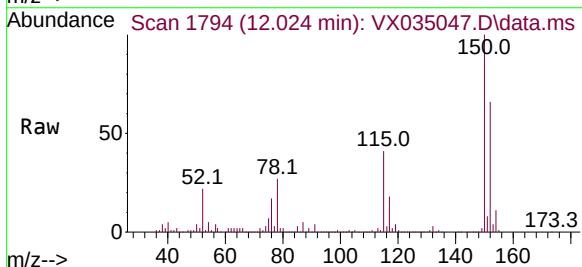
Tgt Ion:152 Resp: 202687

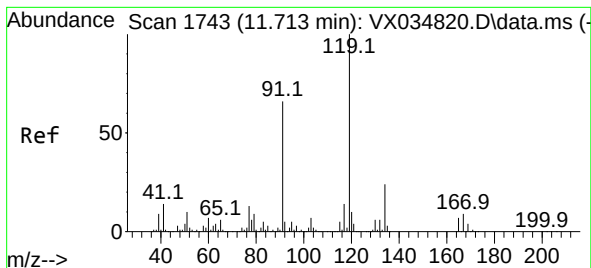
Ion Ratio Lower Upper

152 100

115 66.3 45.0 135.0

150 157.0 0.0 352.4





#83

tert-Butylbenzene

Concen: 57.633 ug/l

RT: 11.726 min Scan# 11

Delta R.T. 0.013 min

Lab File: VX035047.D

Acq: 12 Apr 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

E9074-PVSC-002

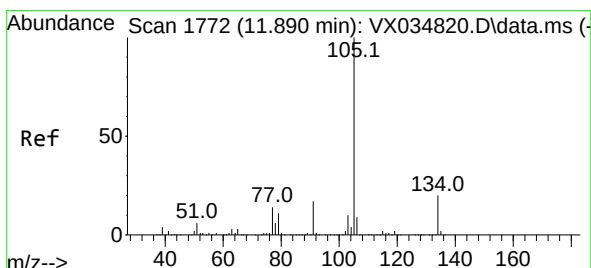
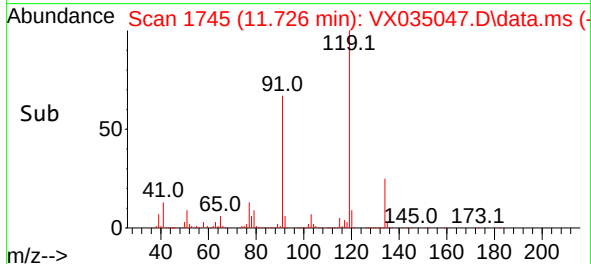
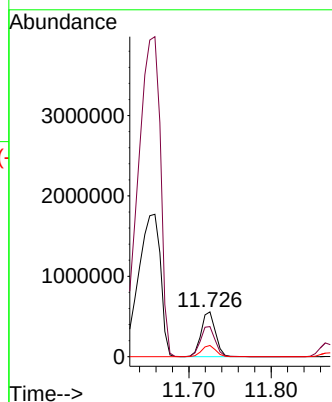
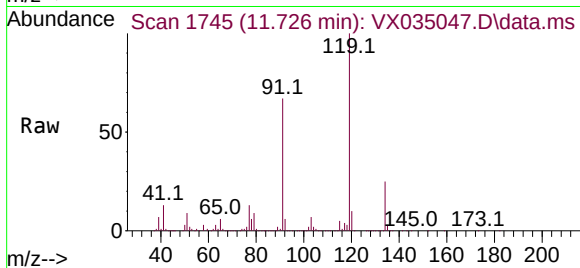
Tgt Ion:119 Resp: 671822

Ion Ratio Lower Upper

119 100

91 69.4 30.6 92.0

134 24.6 11.8 35.4



#85

sec-Butylbenzene

Concen: 117.436 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX035047.D

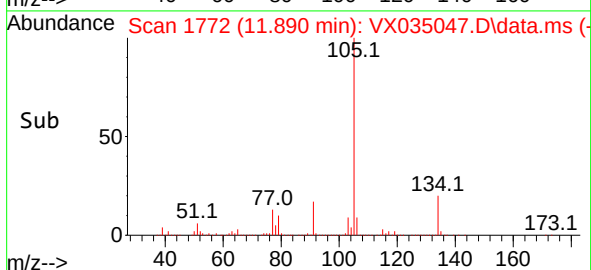
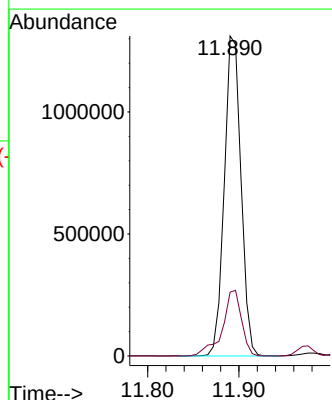
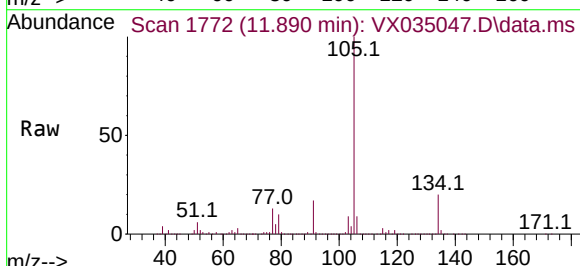
Acq: 12 Apr 2023 15:37

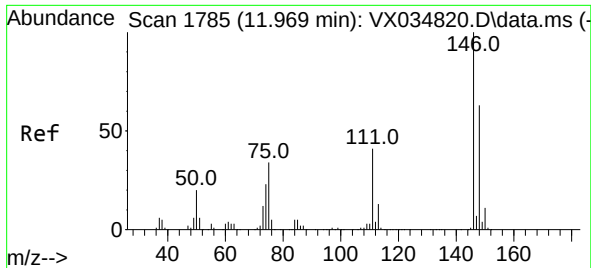
Tgt Ion:105 Resp: 1665417

Ion Ratio Lower Upper

105 100

134 23.6 10.2 30.4

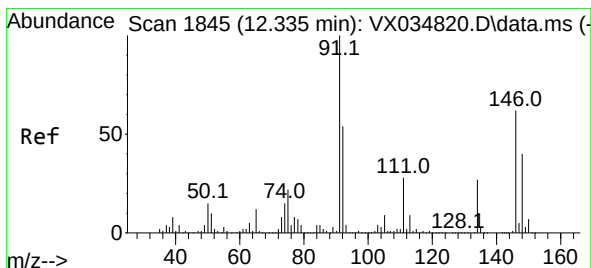
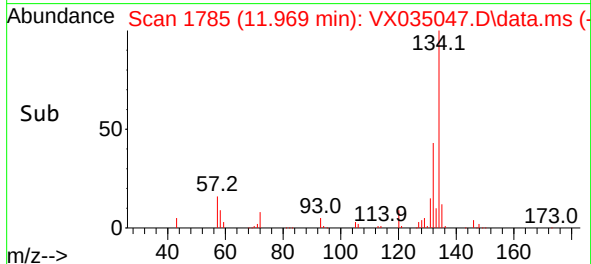
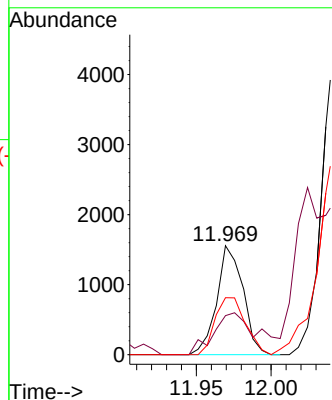
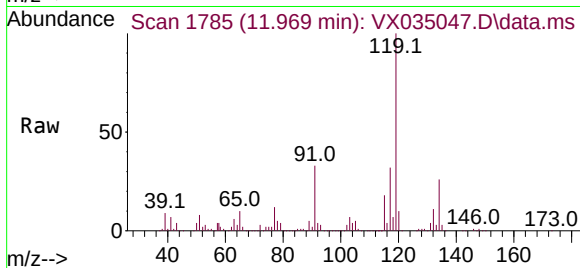




#87
 1,3-Dichlorobenzene
 Concen: 0.283 ug/l
 RT: 11.969 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035047.D
 Acq: 12 Apr 2023 15:37

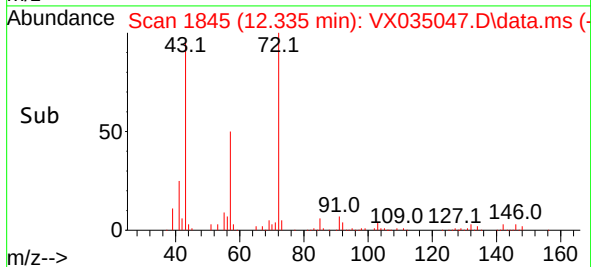
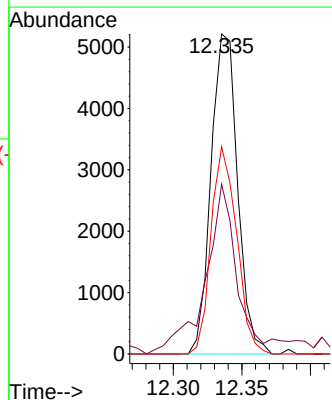
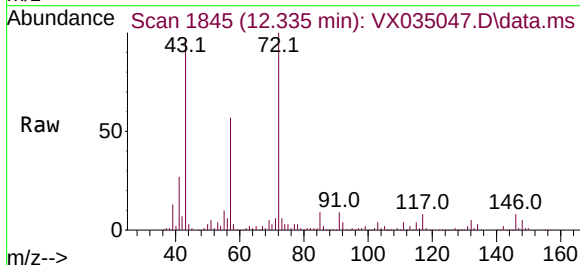
Instrument :
 MSVOA_X
 ClientSampleId :
 E9074-PVSC-002

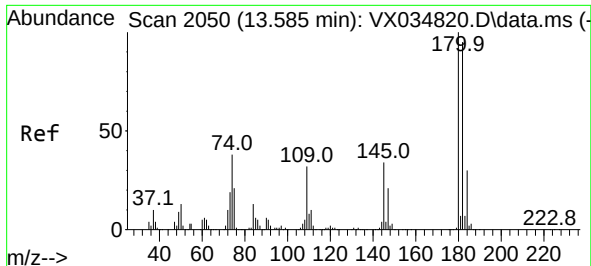
Tgt Ion:146 Resp: 1894
 Ion Ratio Lower Upper
 146 100
 111 61.9 20.9 62.8
 148 61.1 31.6 95.0



#91
 1,2-Dichlorobenzene
 Concen: 1.048 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX035047.D
 Acq: 12 Apr 2023 15:37

Tgt Ion:146 Resp: 7035
 Ion Ratio Lower Upper
 146 100
 111 67.7 22.0 66.0#
 148 62.4 32.0 96.0

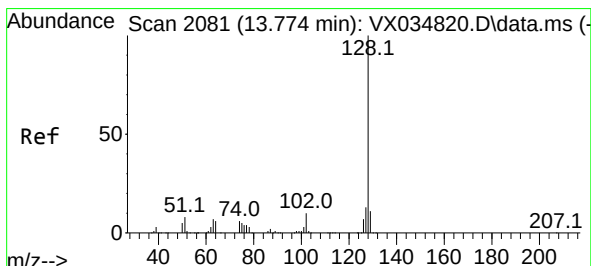
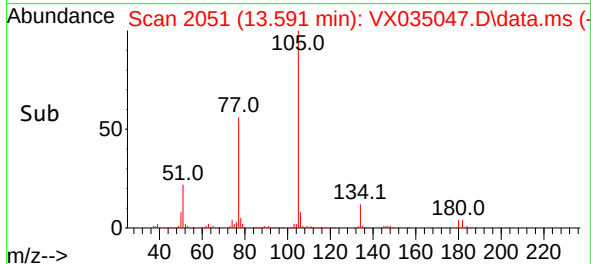
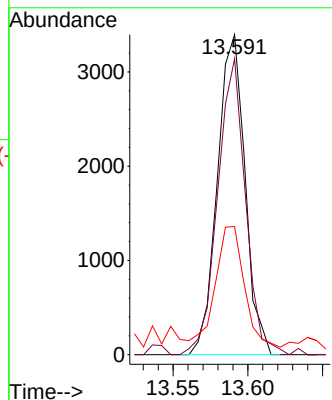
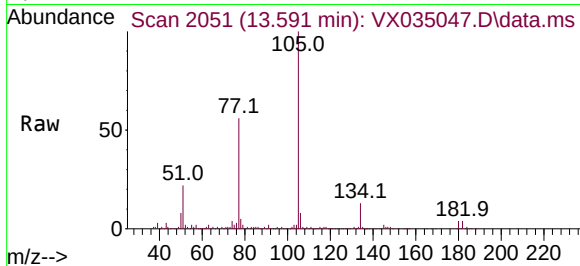




#93
1,2,4-Trichlorobenzene
Concen: 1.147 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Instrument :
MSVOA_X
ClientSampleId :
E9074-PVSC-002

Tgt Ion:180 Resp: 4352
Ion Ratio Lower Upper
180 100
182 93.1 47.0 141.0
145 41.0 15.9 47.7



#95
Naphthalene
Concen: 2.037 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035047.D
Acq: 12 Apr 2023 15:37

Tgt Ion:128 Resp: 27473
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 13.0 8.6 13.0#

