

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012272.D
 Acq On : 19 Jan 2023 17:44
 Operator : KP/MD
 Sample : 01190-04
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-3

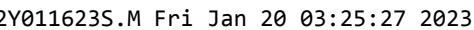
Quant Time: Jan 20 03:25:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

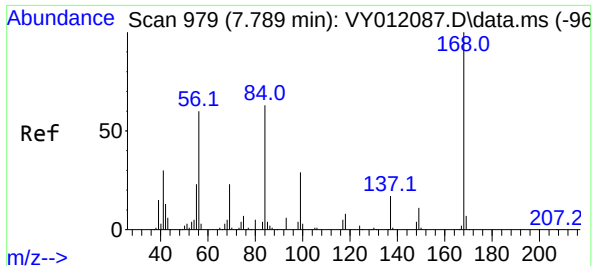
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	192805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	308546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106335	67.948	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.900%	
35) Dibromofluoromethane	7.716	113	93650	56.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.980%	
50) Toluene-d8	10.179	98	365809	65.604	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.200%	
62) 4-Bromofluorobenzene	12.483	95	136451	58.907	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	6060	20.658	ug/l	95
16) Acetone	3.948	43	7035	13.104	ug/l	92
20) Methylene Chloride	4.722	84	14558	Below Cal	#	84
25) 2-Butanone	6.984	43	272042	458.985	ug/l #	87
31) Cyclohexane	7.783	56	3357	1.194	ug/l #	47
36) 1,1-Dichloropropene	7.783	75	12928	4.629	ug/l #	50
37) Ethyl Acetate	6.984	43	272042	220.975	ug/l #	69
38) Carbon Tetrachloride	7.789	117	18428	5.109	ug/l #	17
49) 1,4-Dioxane	9.307	88	1540	100.377	ug/l #	86
68) m/p-Xylenes	11.697	106	6050	1.356	ug/l	94
74) N-amyl acetate	12.124	43	2496	1.124	ug/l #	69
76) 1,2,3-Trichloropropane	12.483	75	74138	51.319	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	24447	2.482	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	74138	105.741	ug/l #	13
83) tert-Butylbenzene	13.123	119	11917	1.388	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.123	105	123524	12.719	ug/l	85
89) n-Butylbenzene	13.696	91	14730	1.592	ug/l #	75
90) Hexachloroethane	13.971	117	5674	2.944	ug/l #	9
95) Naphthalene	15.233	128	27342	4.469	ug/l #	77

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

Quant Time: Jan 20 03:25:24 2023
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Quant Title : SW846 8260
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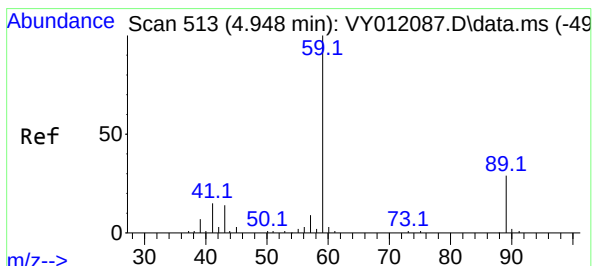
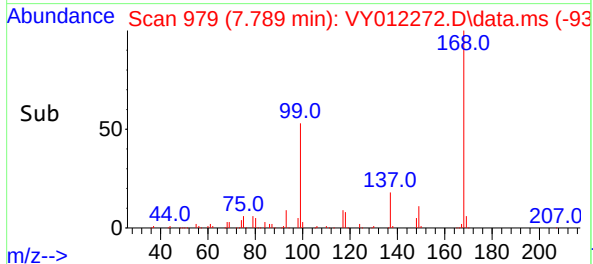
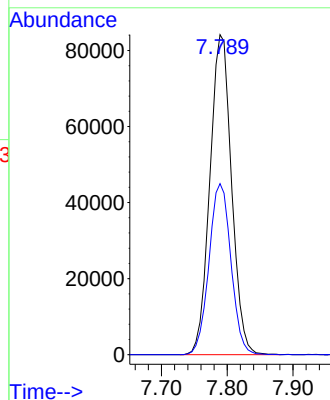
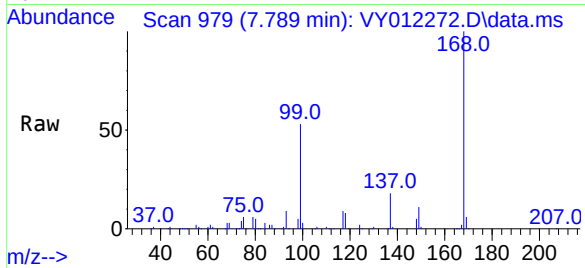




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

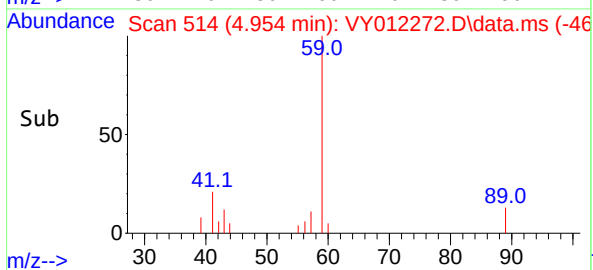
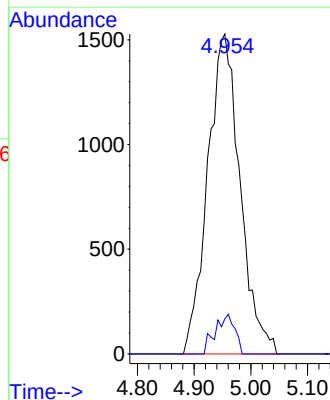
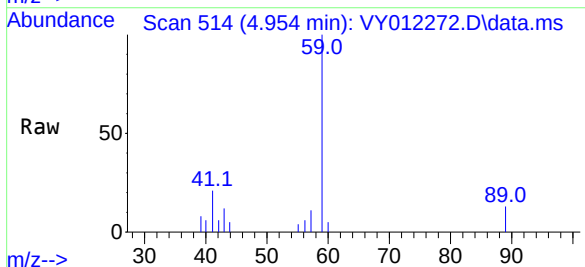
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

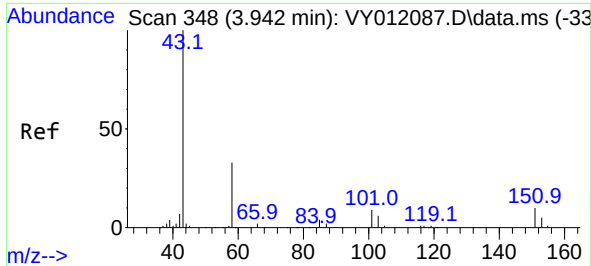
Tgt Ion:168 Resp: 192805
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#11
Tert butyl alcohol
Concen: 20.658 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion: 59 Resp: 6060
Ion Ratio Lower Upper
59 100
57 7.5 7.4 11.2





#16

Acetone

Concen: 13.104 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

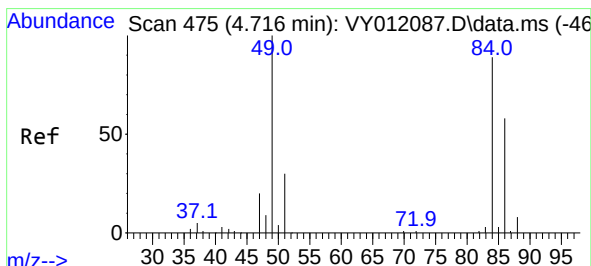
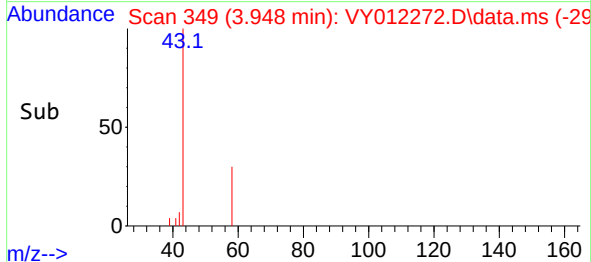
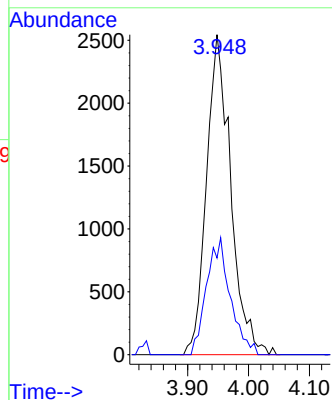
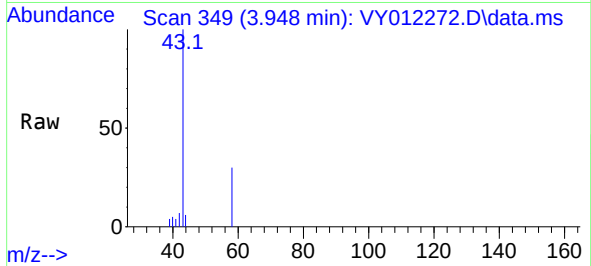
PE-3

Tgt Ion: 43 Resp: 7035

Ion Ratio Lower Upper

43 100

58 30.2 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

Tgt Ion: 84 Resp: 14558

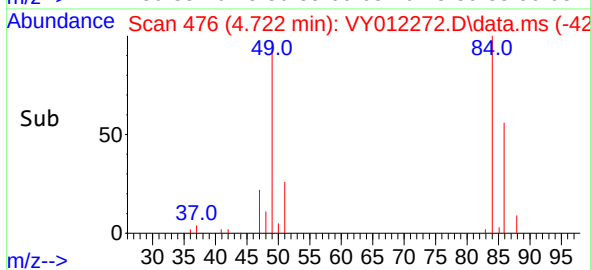
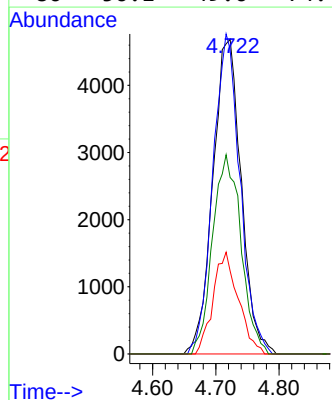
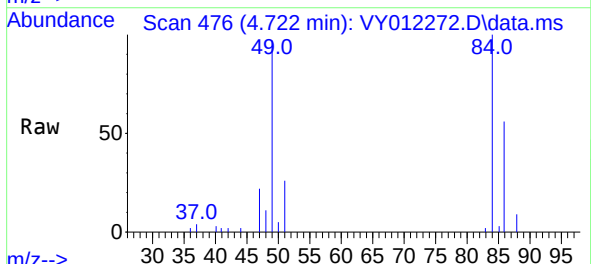
Ion Ratio Lower Upper

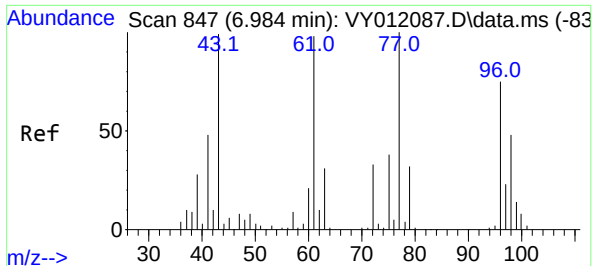
84 100

49 96.8 95.4 143.2

51 26.4 29.9 44.9#

86 56.1 49.6 74.4





#25

2-Butanone

Concen: 458.985 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

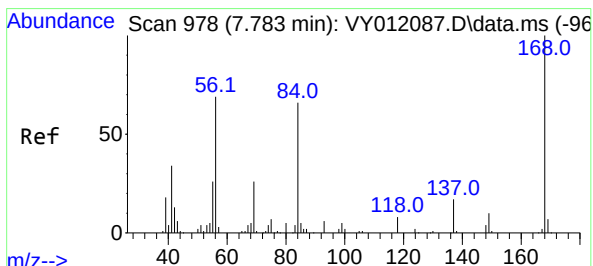
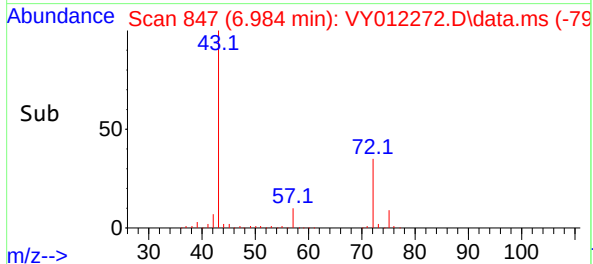
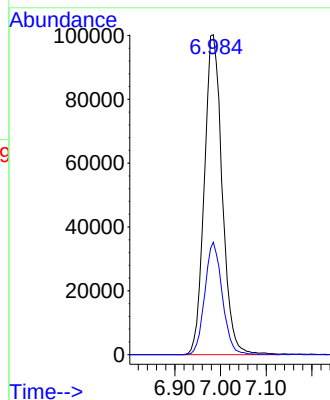
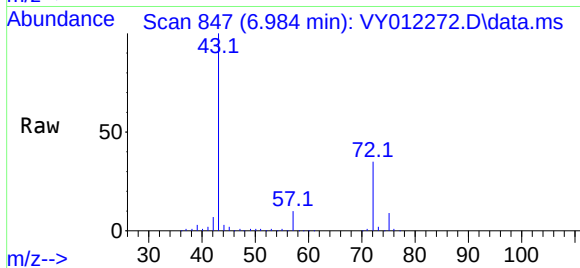
PE-3

Tgt Ion: 43 Resp: 272042

Ion Ratio Lower Upper

43 100

72 35.2 22.6 34.0#



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

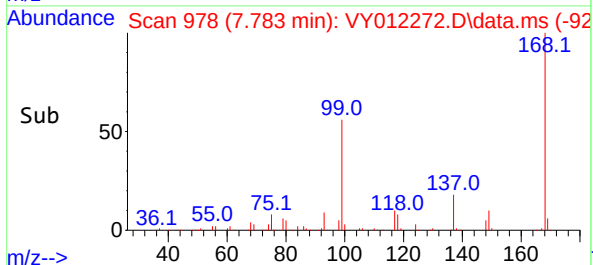
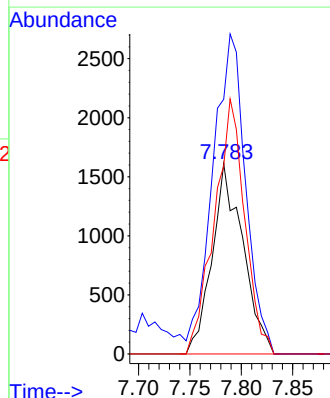
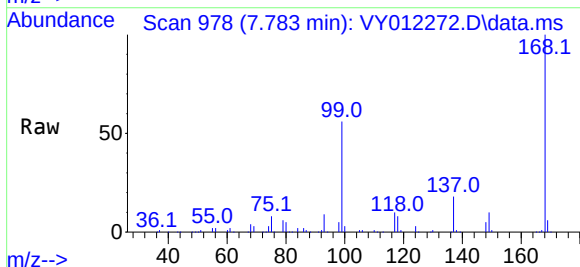
Tgt Ion: 56 Resp: 3357

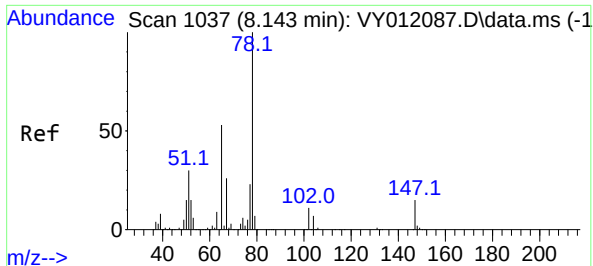
Ion Ratio Lower Upper

56 100

69 133.7 29.2 43.8#

84 98.8 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 67.948 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

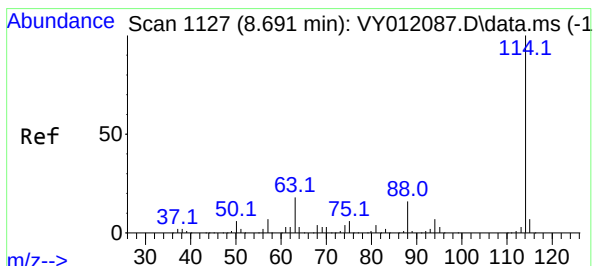
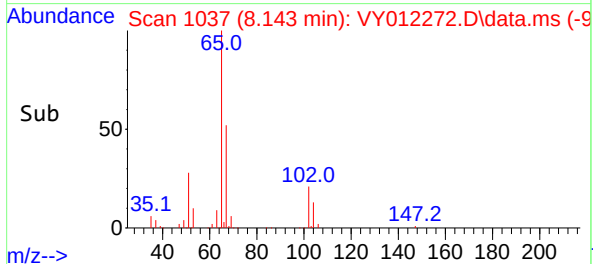
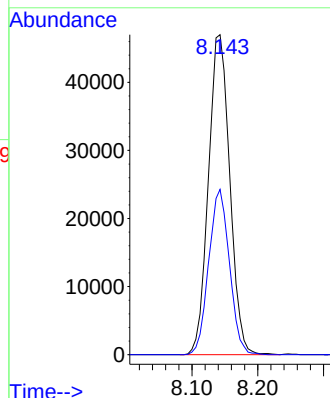
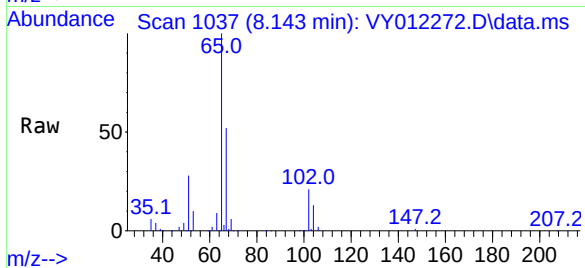
PE-3

Tgt Ion: 65 Resp: 106335

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

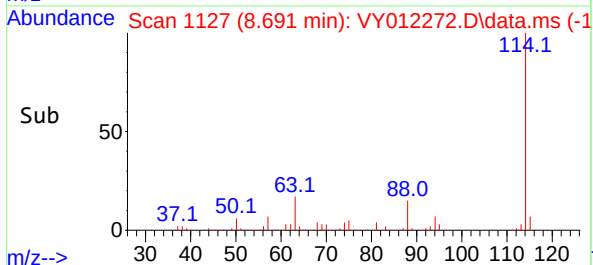
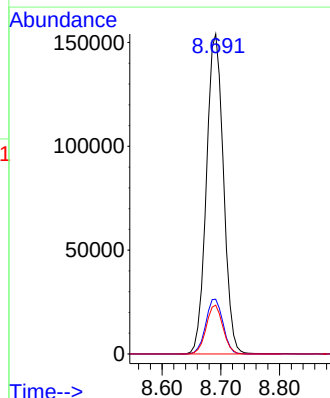
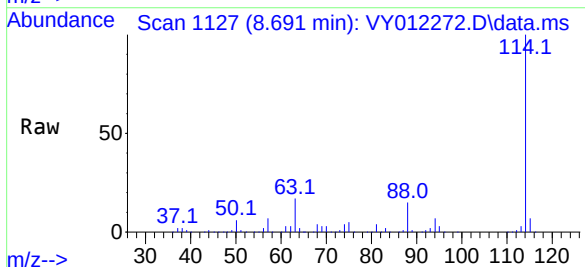
Tgt Ion:114 Resp: 310327

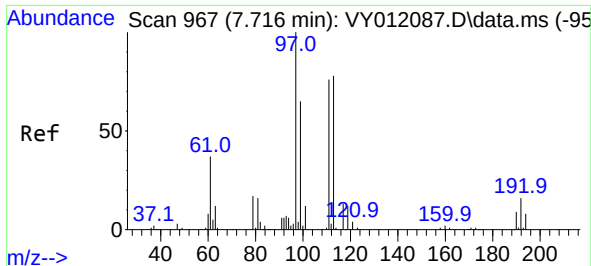
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.3 0.0 32.2

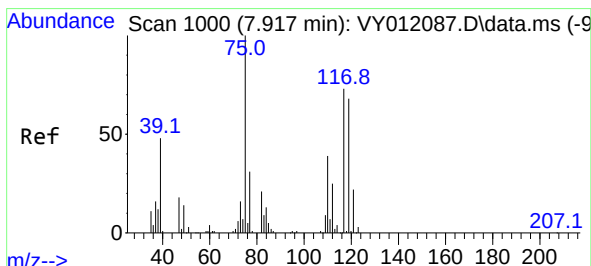
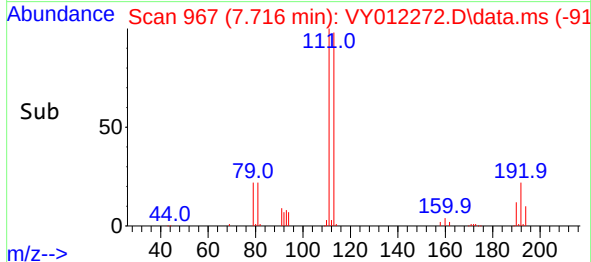
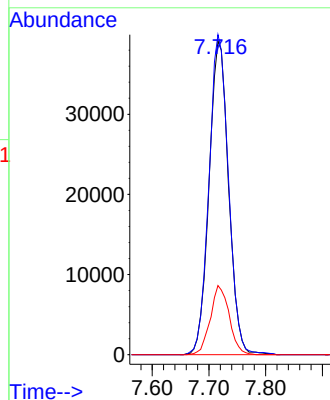
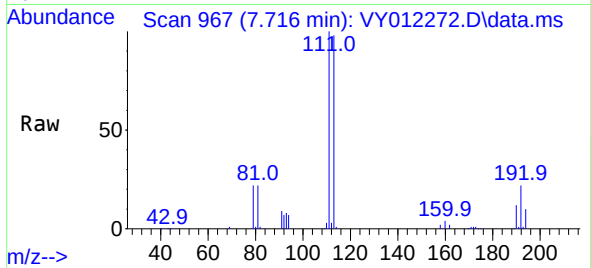




#35
Dibromofluoromethane
Concen: 56.993 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

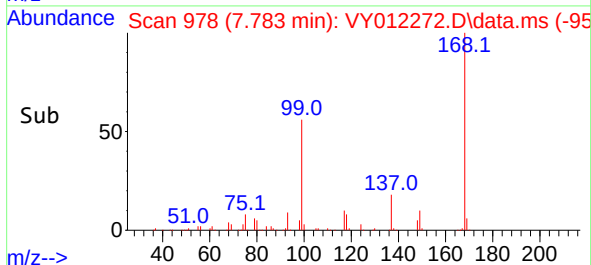
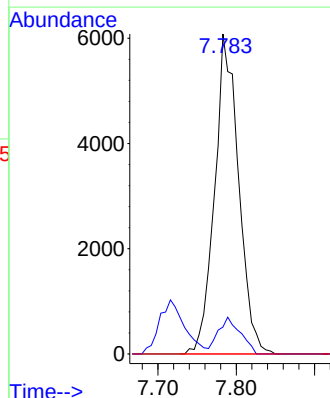
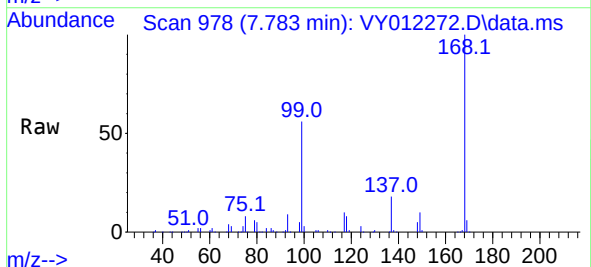
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

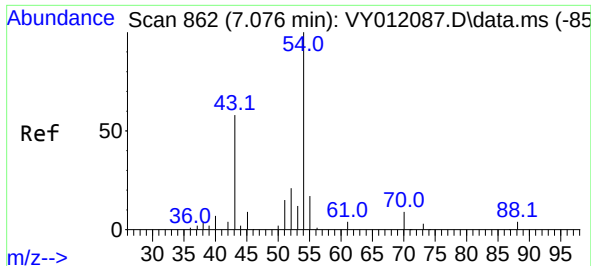
Tgt Ion:113 Resp: 93650
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 21.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.629 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion: 75 Resp: 12928
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.1#
77 0.0 25.1 37.7#



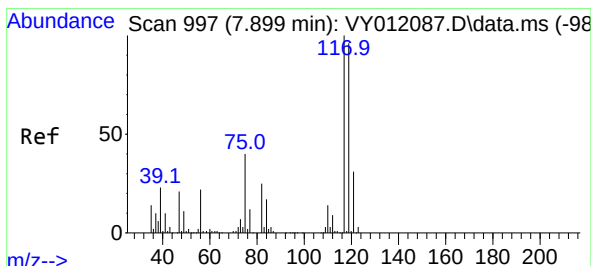
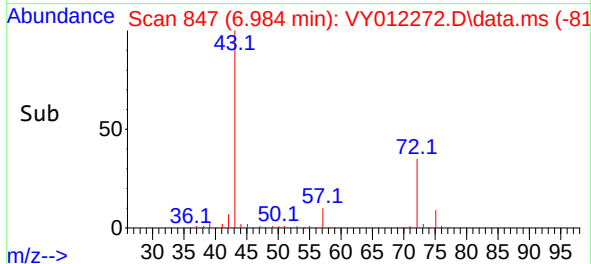
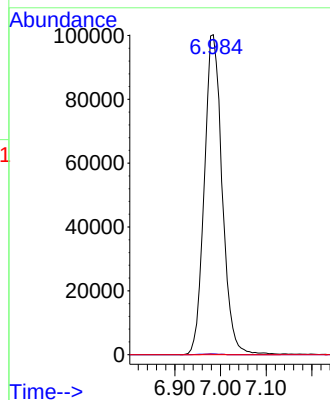
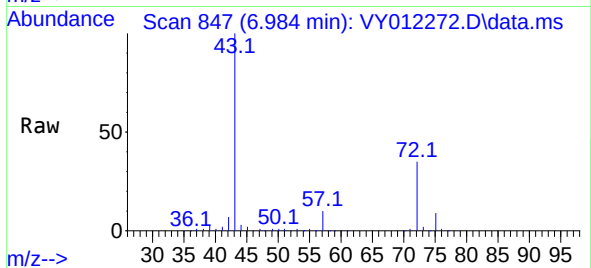


#37
Ethyl Acetate
Concen: 220.975 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Instrument :
MSVOA_Y
ClientSampleId :
PE-3

Tgt Ion: 43 Resp: 272042

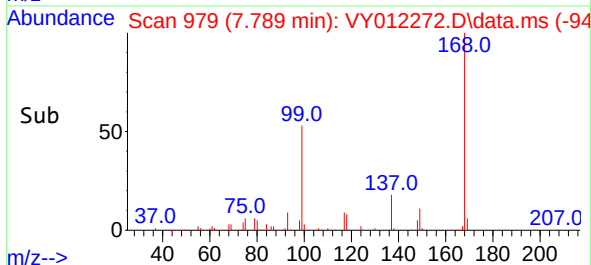
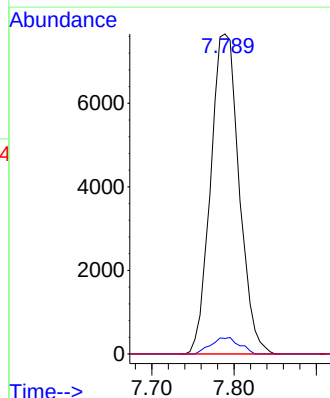
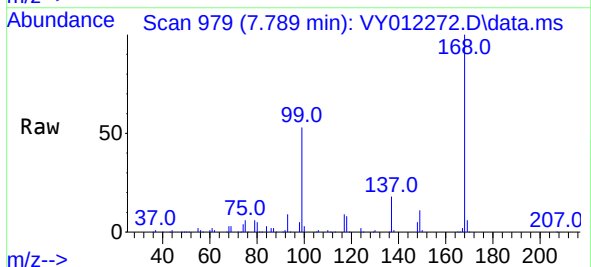
Ion	Ratio	Lower	Upper
43	100		
61	0.2	11.3	16.9#
70	0.1	8.2	12.4#

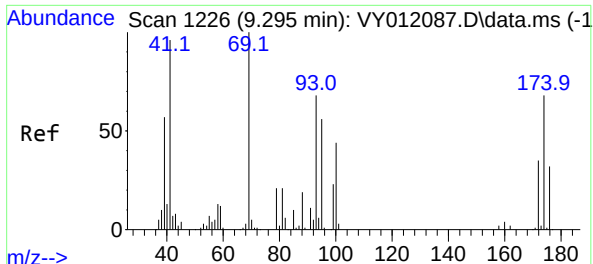


#38
Carbon Tetrachloride
Concen: 5.109 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion: 117 Resp: 18428

Ion	Ratio	Lower	Upper
117	100		
119	4.9	73.8	110.8#
121	0.0	25.2	37.8#

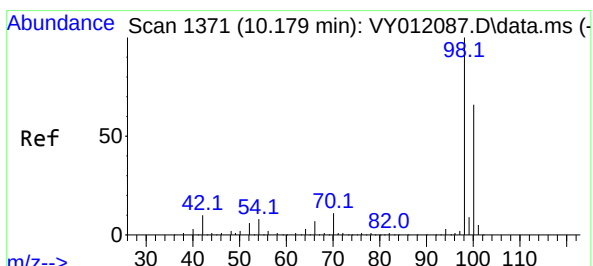
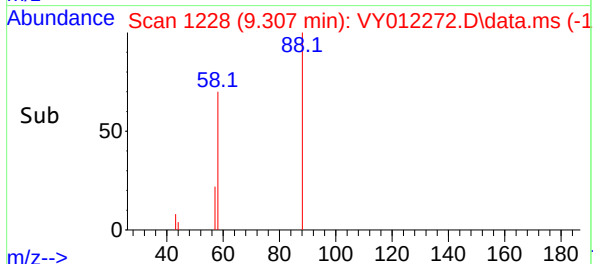
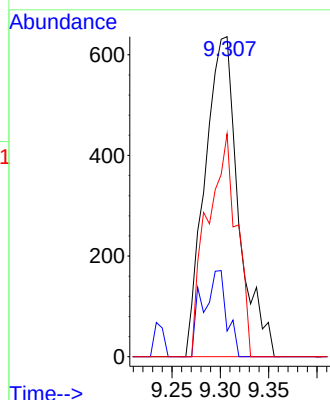
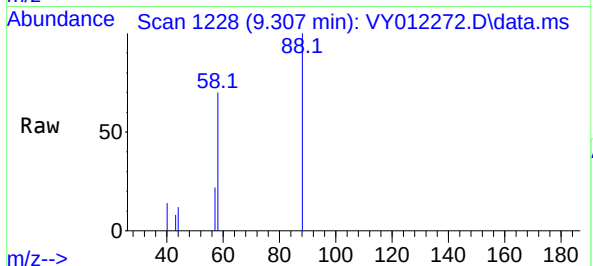




#49
1,4-Dioxane
Concen: 100.377 ug/l
RT: 9.307 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

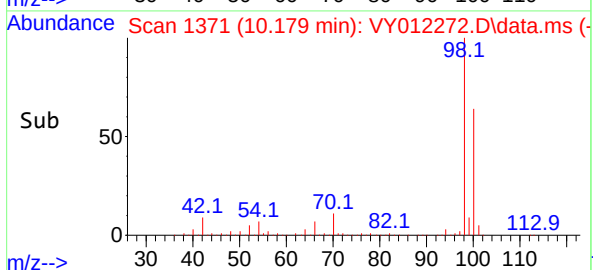
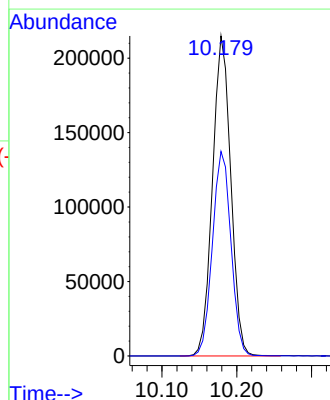
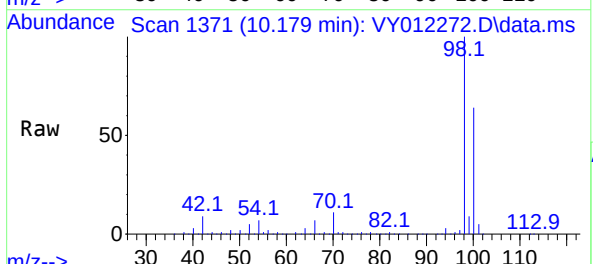
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

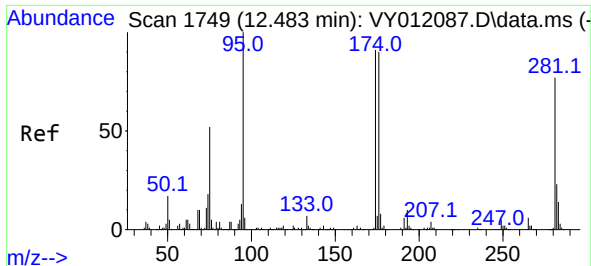
Tgt Ion: 88 Resp: 1540
Ion Ratio Lower Upper
88 100
43 19.0 26.2 39.2#
58 60.6 54.3 81.5



#50
Toluene-d8
Concen: 65.604 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion: 98 Resp: 365809
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

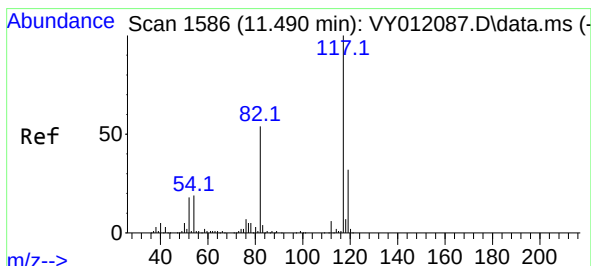
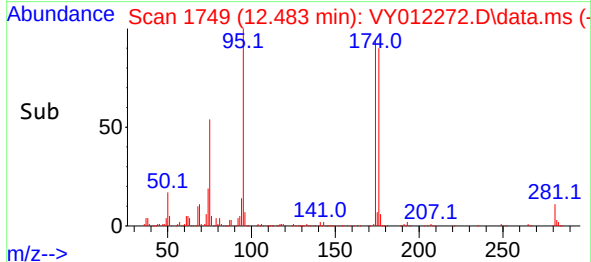
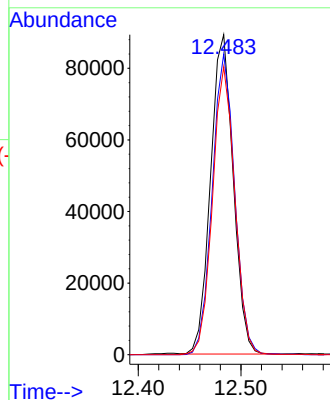
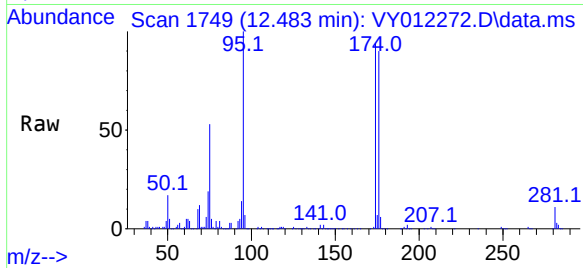




#62
4-Bromofluorobenzene
Concen: 58.907 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

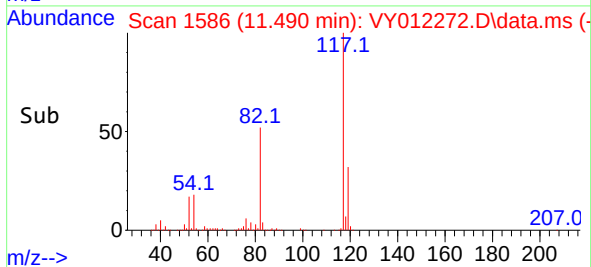
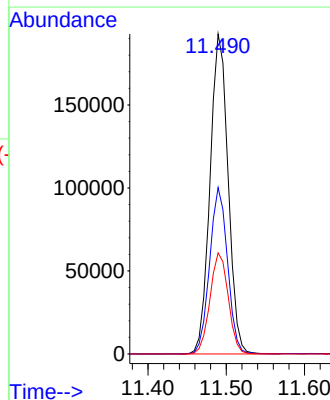
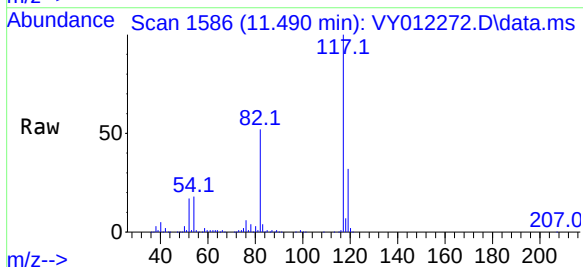
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

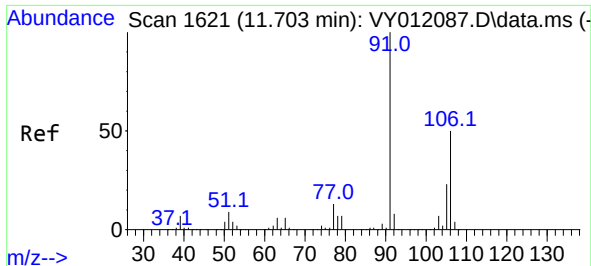
Tgt Ion: 95 Resp: 136451
Ion Ratio Lower Upper
95 100
174 93.2 0.0 172.0
176 88.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion: 117 Resp: 308546
Ion Ratio Lower Upper
117 100
82 52.0 44.8 67.2
119 31.6 25.4 38.2

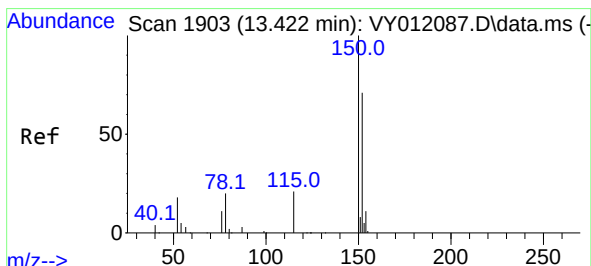
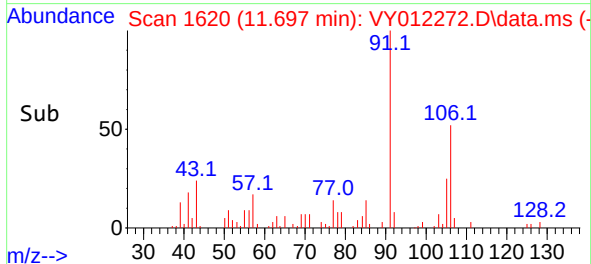
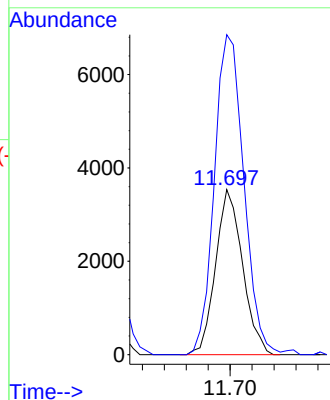
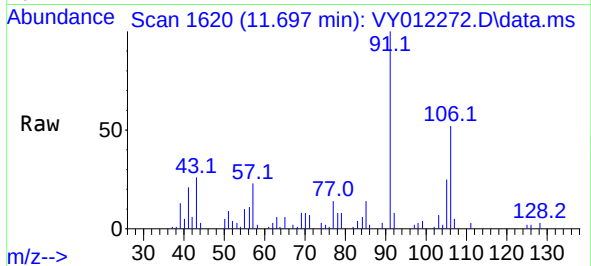




#68
m/p-Xylenes
Concen: 1.356 ug/l
RT: 11.697 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

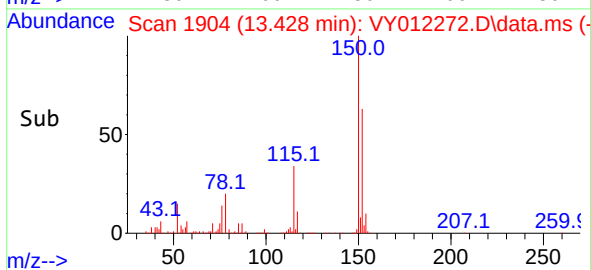
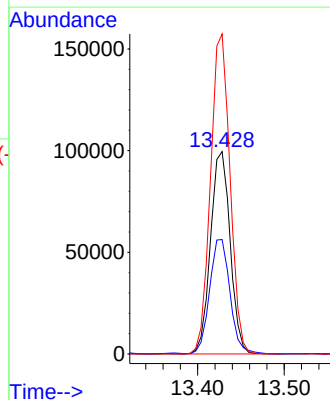
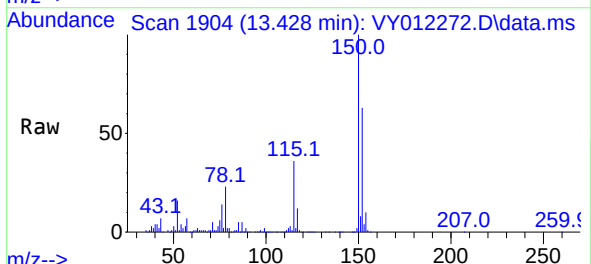
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

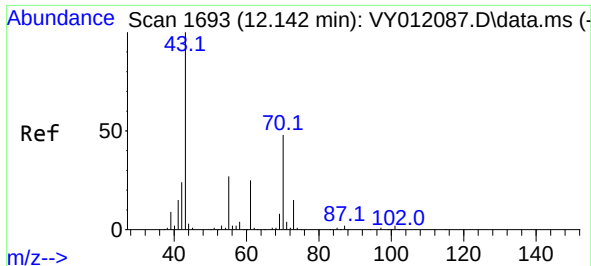
Tgt Ion:106 Resp: 6050
Ion Ratio Lower Upper
106 100
91 212.1 162.5 243.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion:152 Resp: 157105
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.3
150 157.0 0.0 342.6

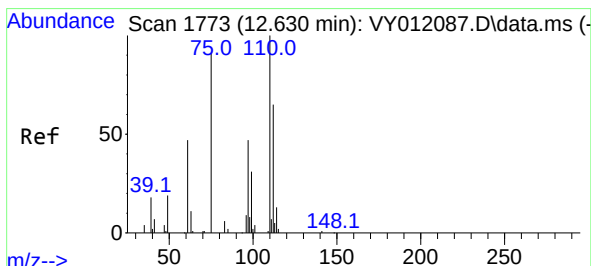
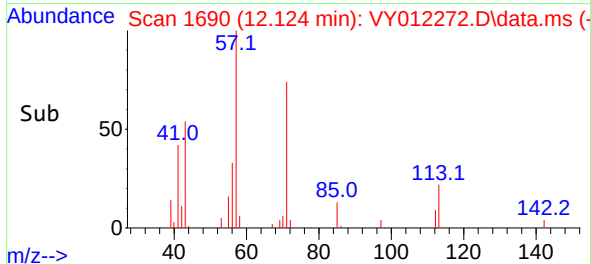
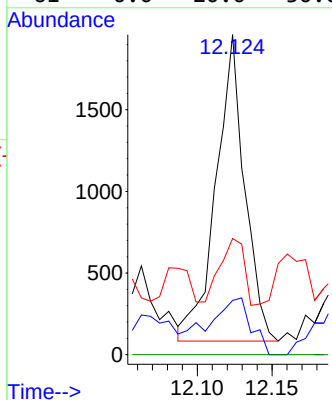
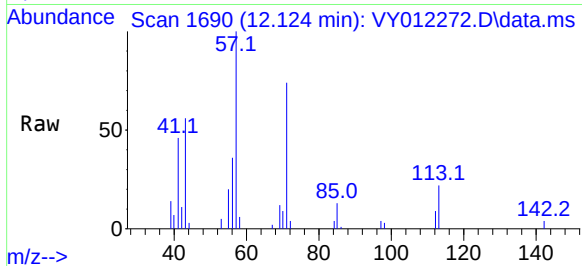




#74
N-amy1 acetate
Concen: 1.124 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

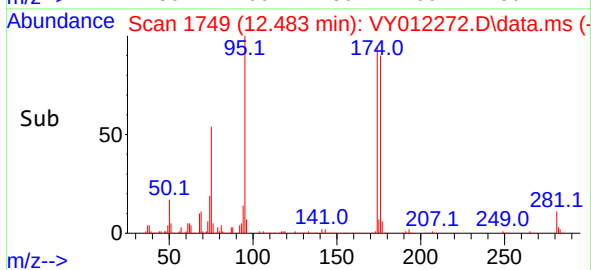
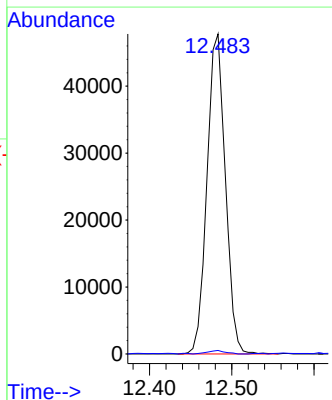
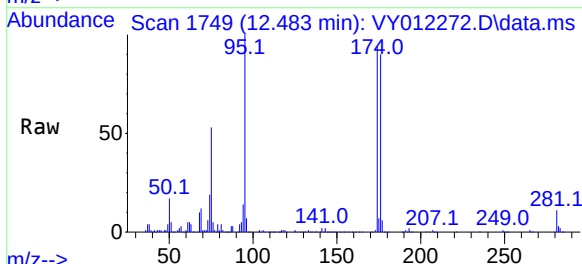
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

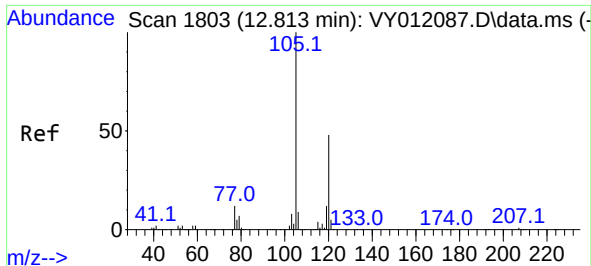
Tgt Ion:	43	Resp:	2496
Ion	Ratio	Lower	Upper
43	100		
70	26.3	35.8	53.8#
55	17.5	21.0	31.4#
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 51.319 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion:	75	Resp:	74138
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

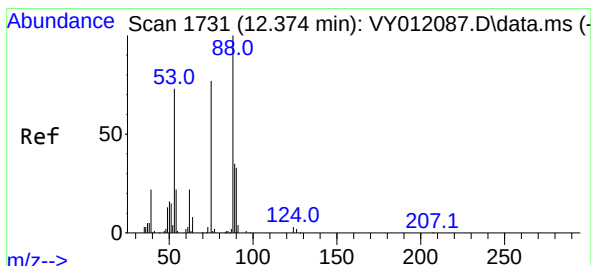
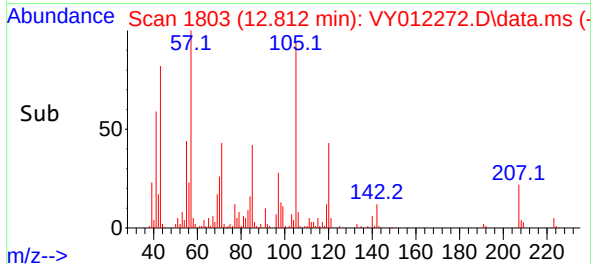
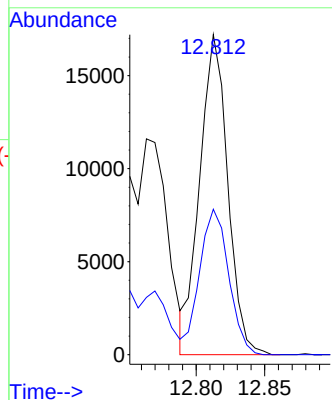
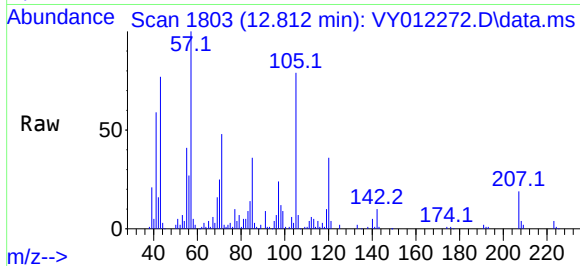




#80
1,3,5-Trimethylbenzene
Concen: 2.482 ug/l
RT: 12.812 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

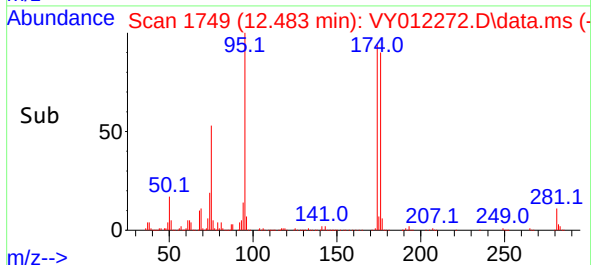
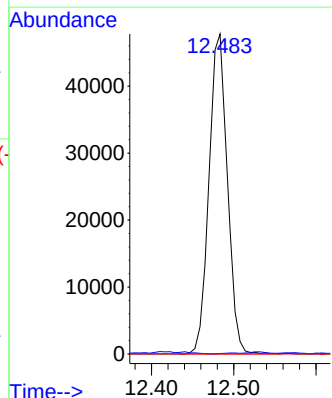
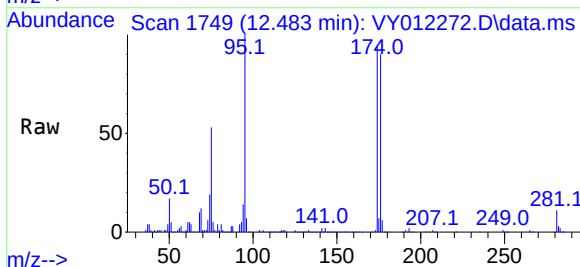
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

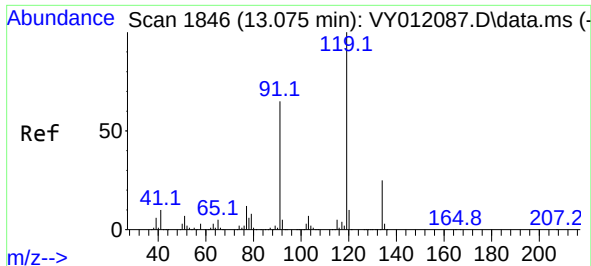
Tgt Ion:105 Resp: 24447
Ion Ratio Lower Upper
105 100
120 47.5 24.2 72.6



#81
trans-1,4-Dichloro-2-butene
Concen: 105.741 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion: 75 Resp: 74138
Ion Ratio Lower Upper
75 100
53 0.3 72.5 108.7#
89 0.0 37.0 55.4#

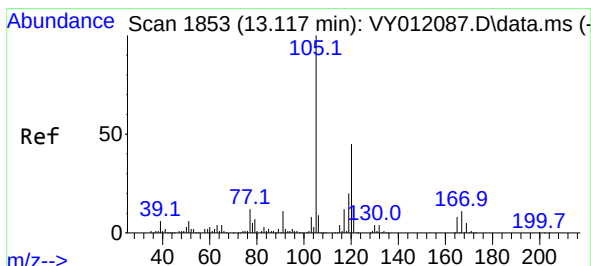
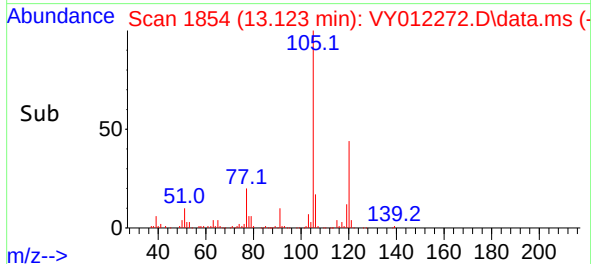
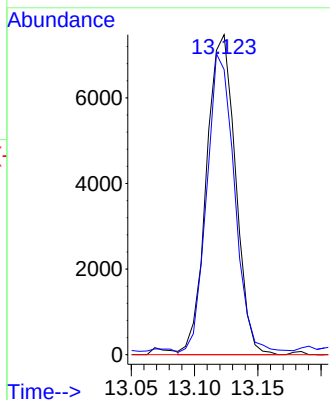
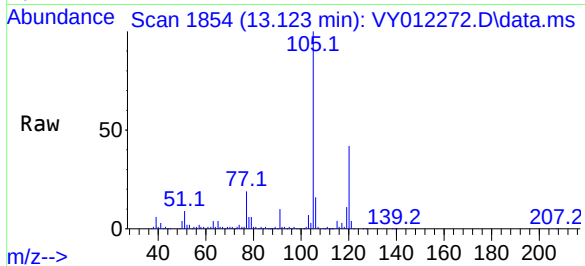




#83
tert-Butylbenzene
Concen: 1.388 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.048 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

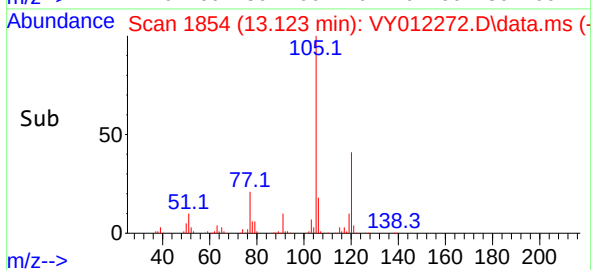
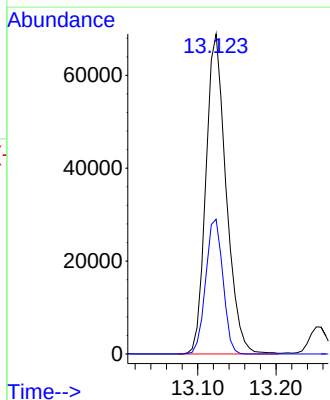
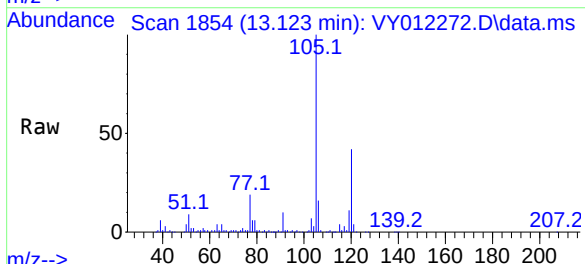
Instrument :
MSVOA_Y
ClientSampleId :
PE-3

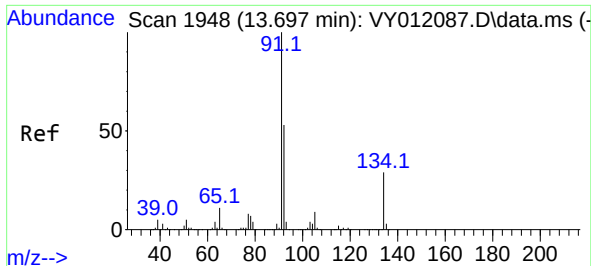
Tgt Ion:119 Resp: 11917
Ion Ratio Lower Upper
119 100
91 89.3 32.3 96.8
134 0.0 13.0 39.0#



#84
1,2,4-Trimethylbenzene
Concen: 12.719 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Tgt Ion:105 Resp: 123524
Ion Ratio Lower Upper
105 100
120 35.7 22.9 68.7





#89

n-Butylbenzene

Concen: 1.592 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012272.D

Acq: 19 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

PE-3

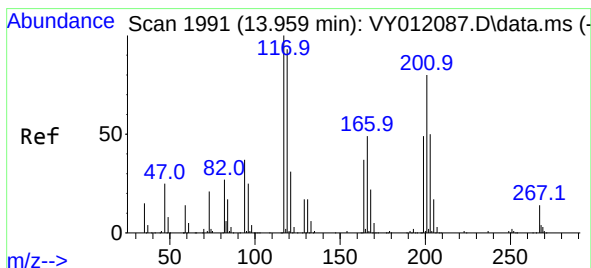
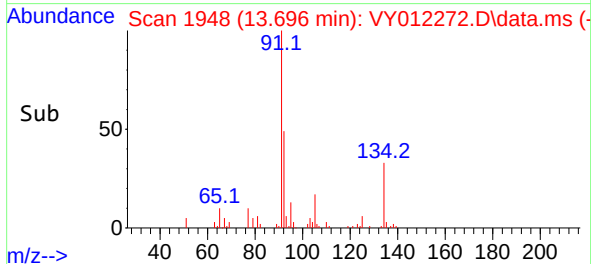
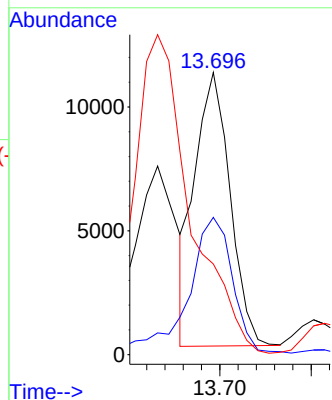
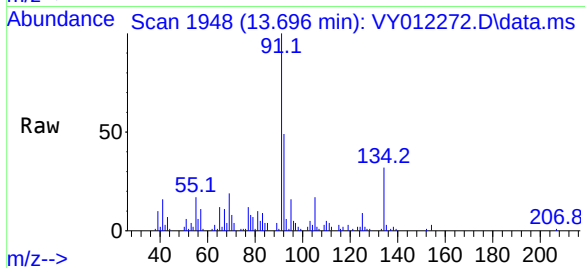
Tgt Ion: 91 Resp: 14730

Ion Ratio Lower Upper

91 100

92 61.9 26.8 80.4

134 0.0 13.3 39.8#



#90

Hexachloroethane

Concen: 2.944 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY012272.D

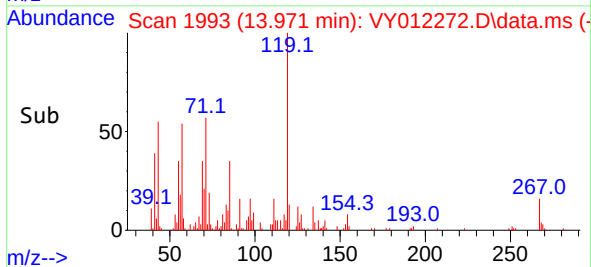
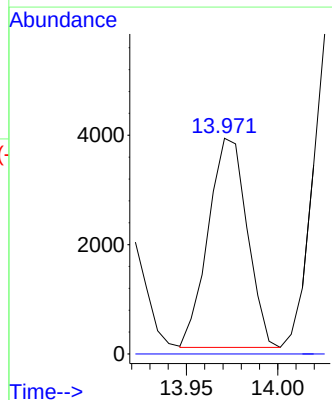
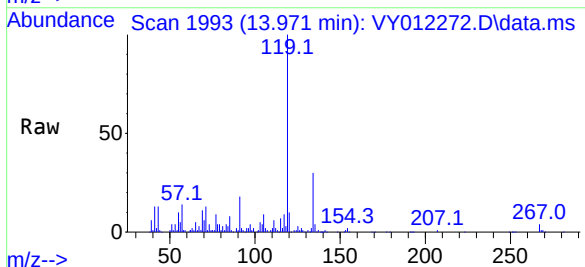
Acq: 19 Jan 2023 17:44

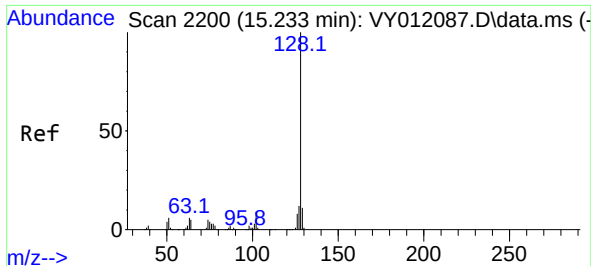
Tgt Ion: 117 Resp: 5674

Ion Ratio Lower Upper

117 100

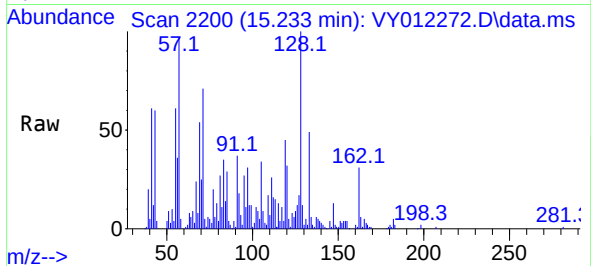
201 0.0 40.3 120.8#





#95
Naphthalene
Concen: 4.469 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY012272.D
Acq: 19 Jan 2023 17:44

Instrument :
MSVOA_Y
ClientSampleId :
PE-3



Tgt Ion:128 Resp: 27342
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 16.0 8.8 13.2#

