

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\Not Reviewed Data\
 Data File : VY017352.D
 Acq On : 12 Feb 2024 14:40
 Operator : SY/MD
 Sample : VY0212SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBL01

Quant Time: Feb 12 18:09:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

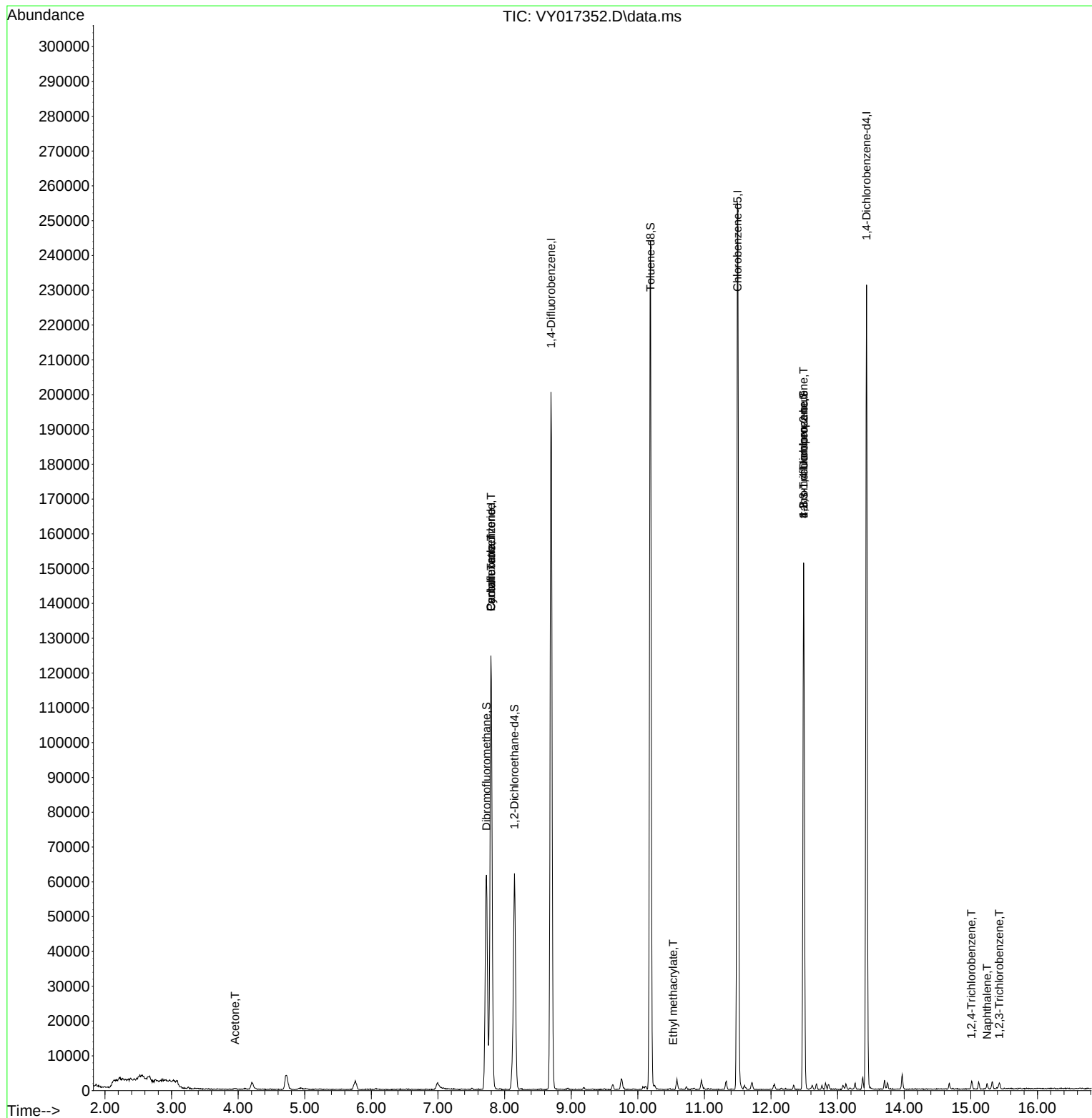
Internal Standards						
1) Pentafluorobenzene	7.795	168	91905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	170475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	141592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	55552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	43683	53.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.420%			
35) Dibromofluoromethane	7.728	113	45489	49.420	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.840%			
50) Toluene-d8	10.191	98	159074	47.466	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.940%			
62) 4-Bromofluorobenzene	12.489	95	44841	40.845	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.700%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	522	Below Cal	#	75
16) Acetone	3.954	43	576	2.387	ug/l #	41
20) Methylene Chloride	4.729	84	3205	Below Cal	#	86
31) Cyclohexane	7.795	56	2452	1.482	ug/l #	10
38) Carbon Tetrachloride	7.795	117	9077	5.971	ug/l #	16
56) Ethyl methacrylate	10.532	69	39	3.038	ug/l #	27
76) 1,2,3-Trichloropropane	12.489	75	24426	47.639	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	24426	98.986	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.007	180	858	1.124	ug/l	95
95) Naphthalene	15.245	128	1340	4.274	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.428	180	696	1.072	ug/l	95

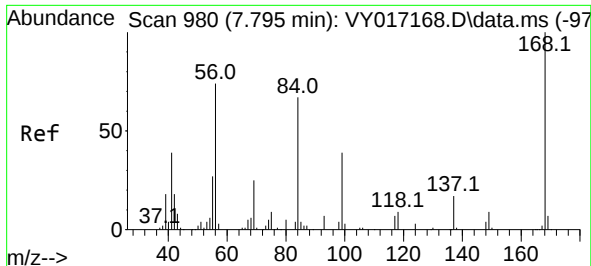
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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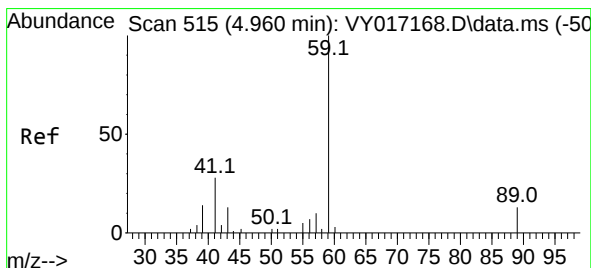
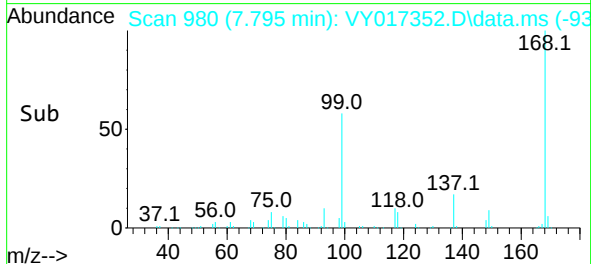
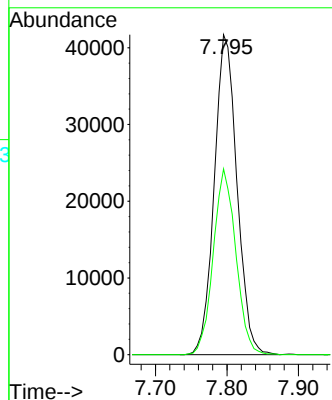
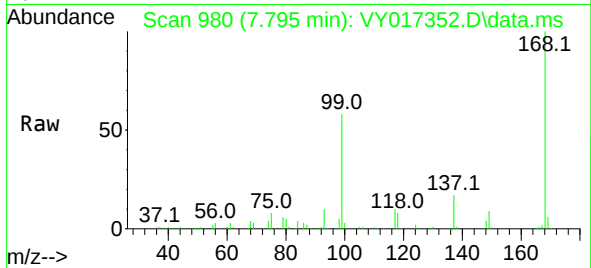




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

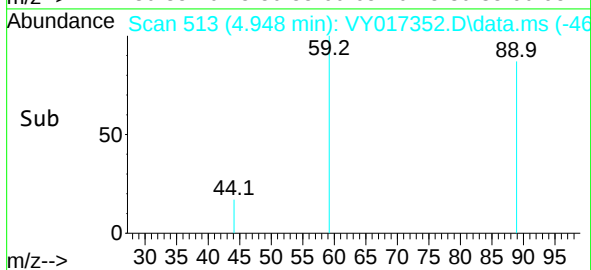
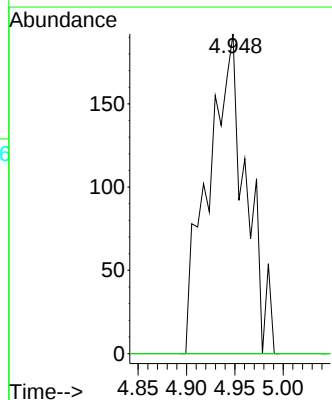
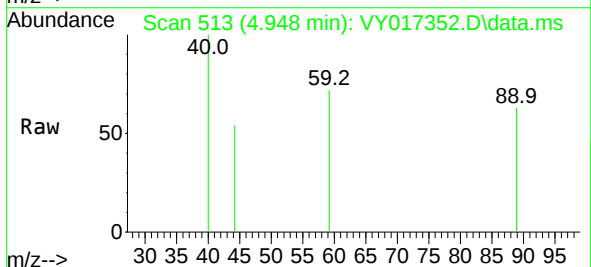
Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBL01

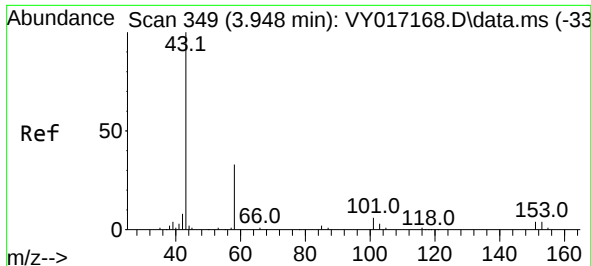
Tgt Ion:168 Resp: 91905
Ion Ratio Lower Upper
168 100
99 58.1 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

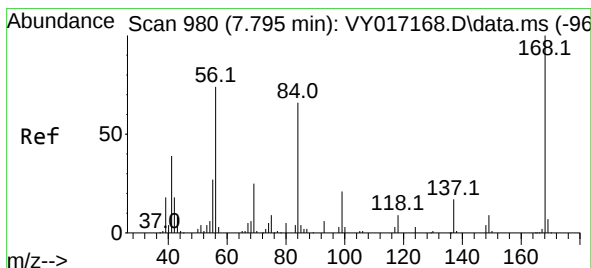
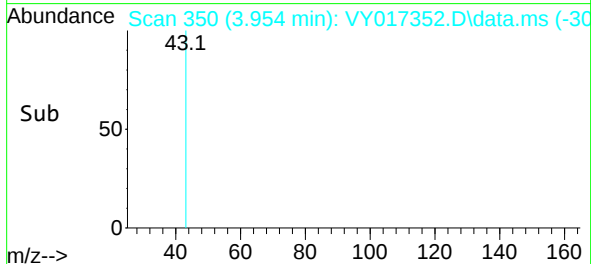
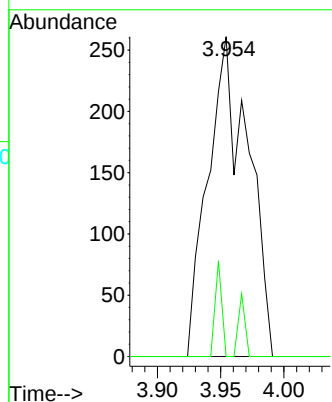
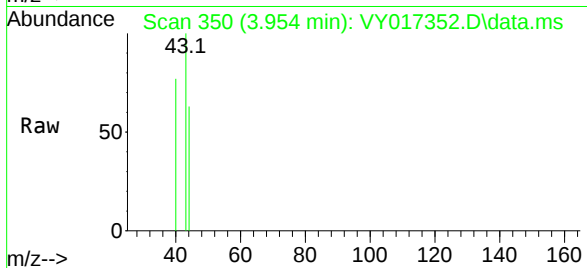




#16
Acetone
Concen: 2.387 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

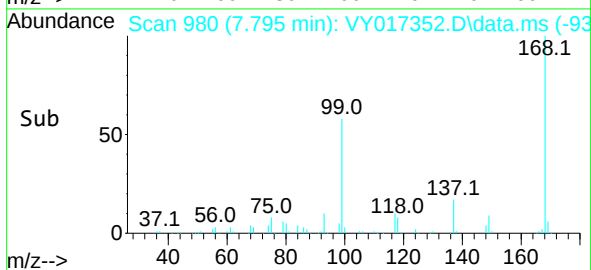
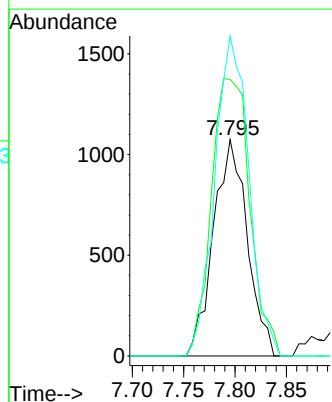
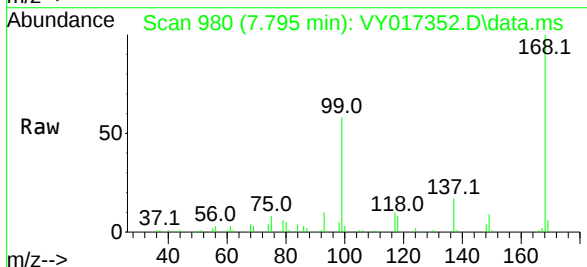
Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBL01

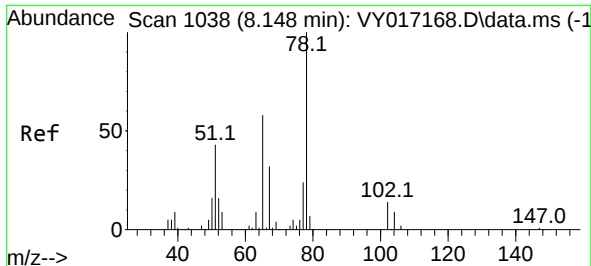
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.482 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

Tgt Ion: 56 Resp: 2452
Ion Ratio Lower Upper
56 100
69 127.8 27.0 40.6#
84 148.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 53.206 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY017352.D

Acq: 12 Feb 2024 14:40

Instrument :

MSVOA_Y

ClientSampleId :

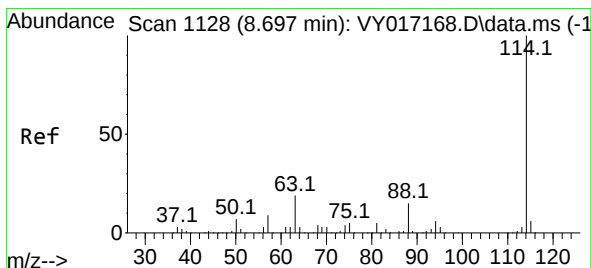
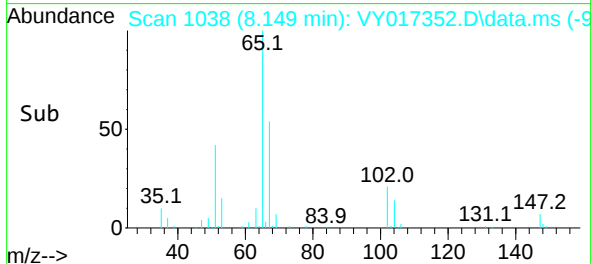
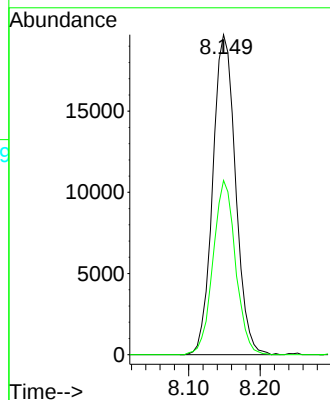
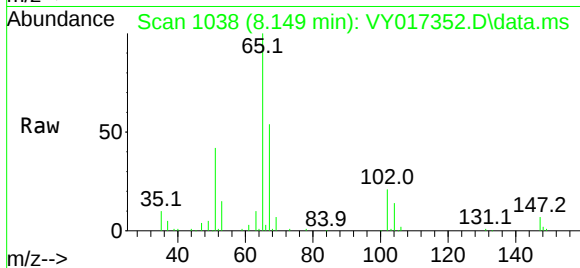
VY0212SBL01

Tgt Ion: 65 Resp: 43683

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017352.D

Acq: 12 Feb 2024 14:40

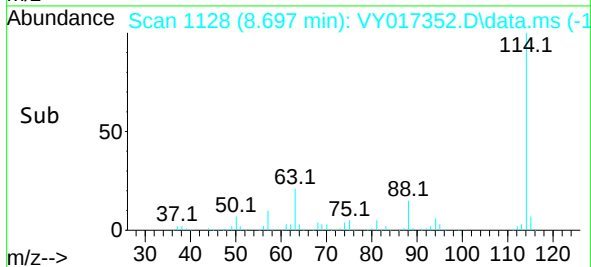
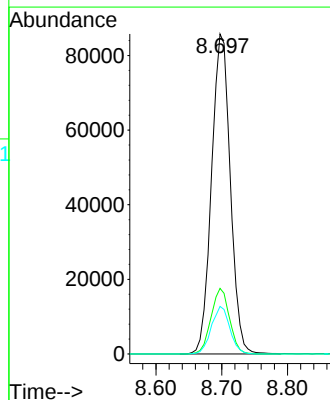
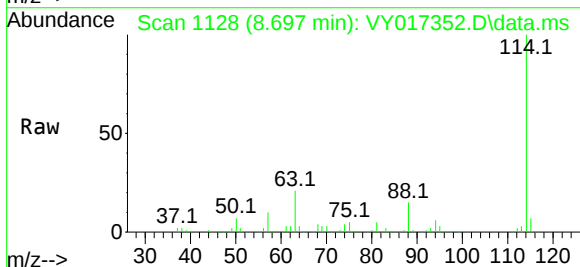
Tgt Ion: 114 Resp: 170475

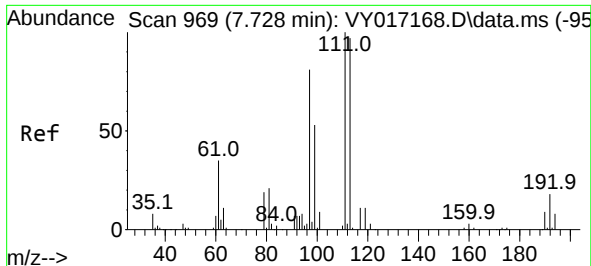
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 14.8 0.0 29.0

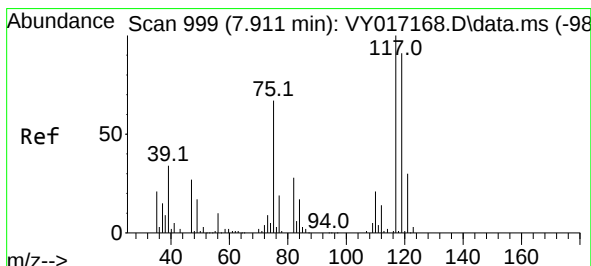
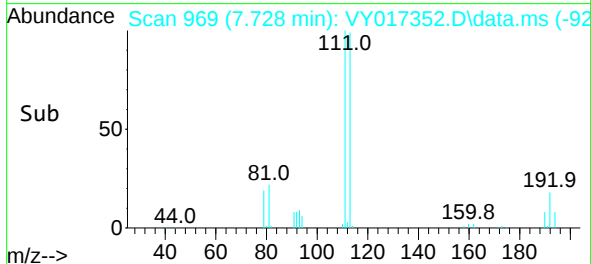
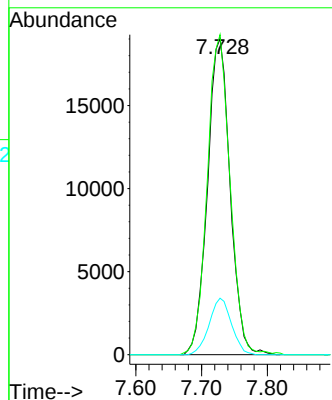
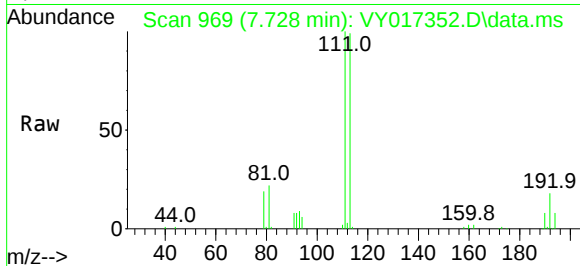




#35
 Dibromofluoromethane
 Concen: 49.420 ug/l
 RT: 7.728 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VY017352.D
 Acq: 12 Feb 2024 14:40

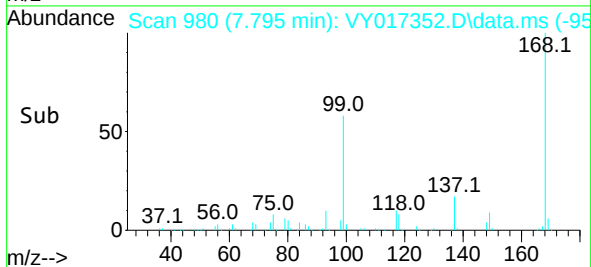
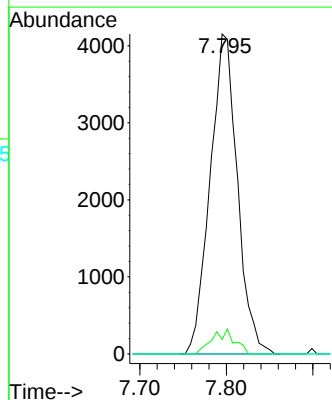
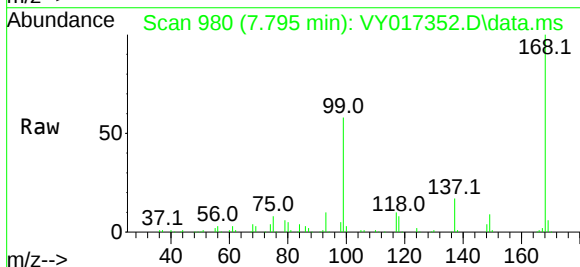
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBL01

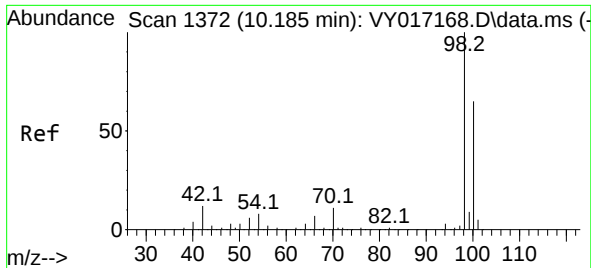
Tgt Ion:	113	Resp:	45489
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.8	125.6
192	17.6	14.5	21.7



#38
 Carbon Tetrachloride
 Concen: 5.971 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.115 min
 Lab File: VY017352.D
 Acq: 12 Feb 2024 14:40

Tgt Ion:	117	Resp:	9077
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.0	114.0#
121	0.0	24.2	36.2#

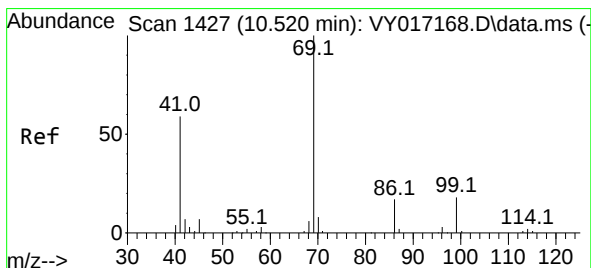
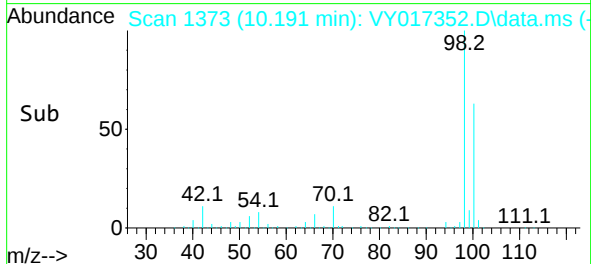
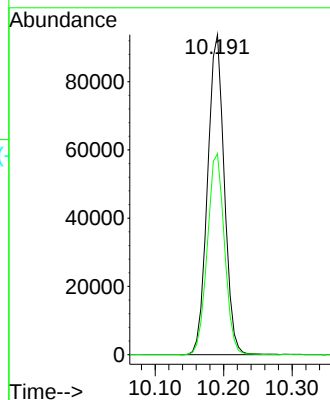
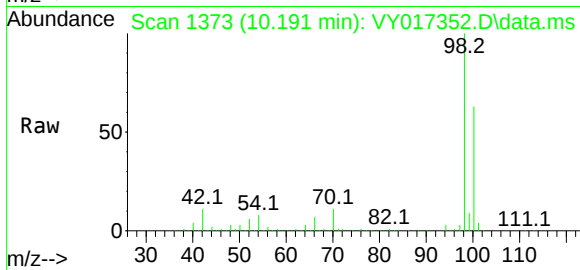




#50
Toluene-d8
Concen: 47.466 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

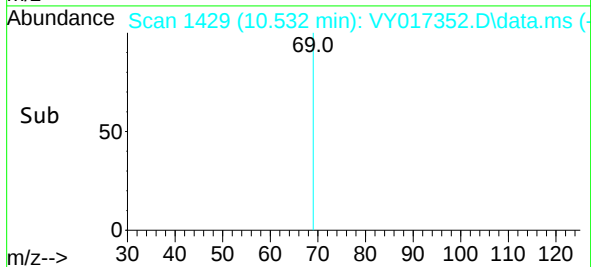
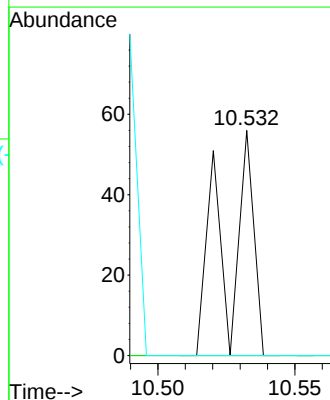
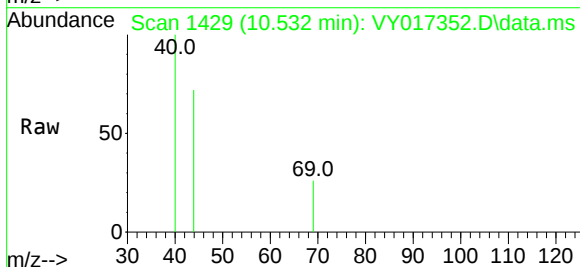
Instrument :
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ClientSampleId :
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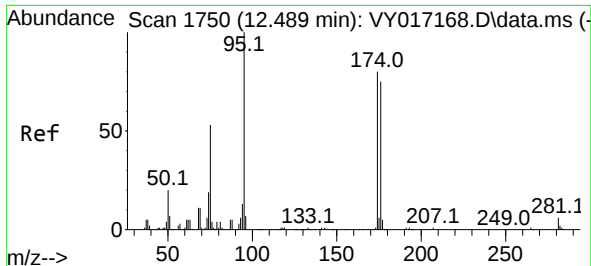
Tgt Ion: 98 Resp: 159074
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#56
Ethyl methacrylate
Concen: 3.038 ug/l
RT: 10.532 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

Tgt Ion: 69 Resp: 39
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 0.0 26.8 40.2#

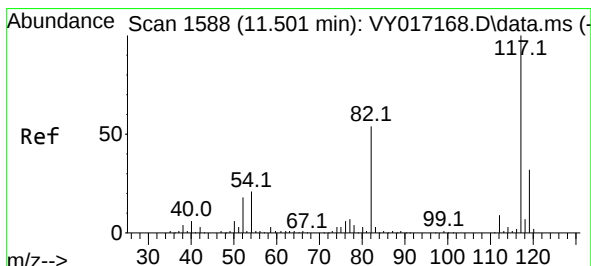
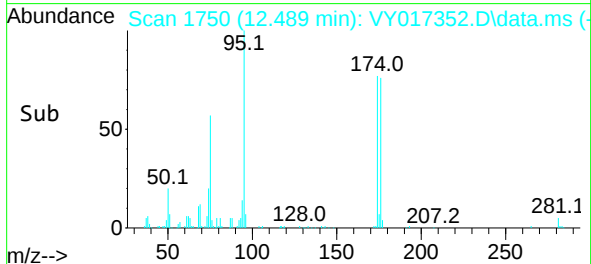
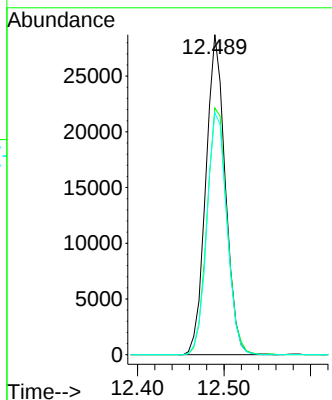
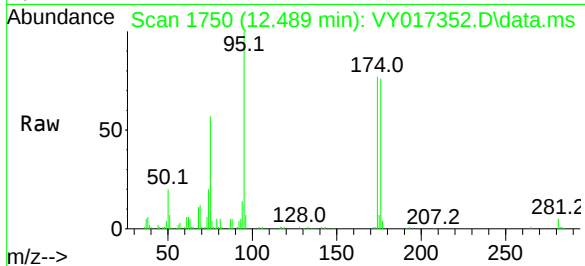




#62
4-Bromofluorobenzene
Concen: 40.845 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

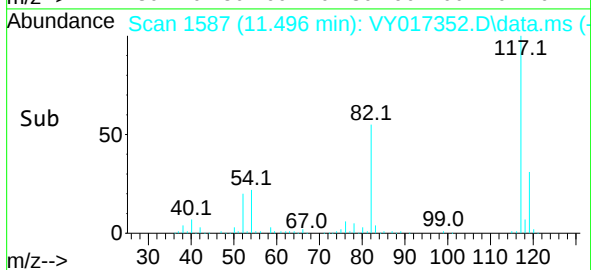
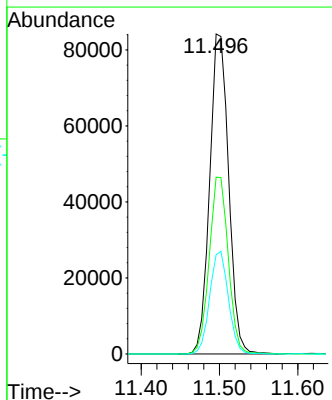
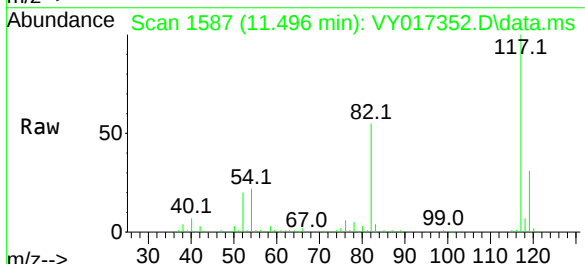
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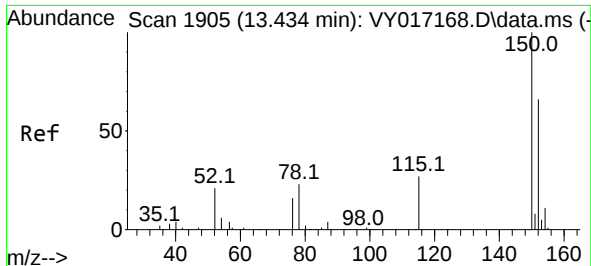
Tgt Ion:	95	Resp:	44841
Ion Ratio	Lower	Upper	
95	100		
174	79.7	0.0	160.0
176	77.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

Tgt Ion:	117	Resp:	141592
Ion Ratio	Lower	Upper	
117	100		
82	55.2	43.8	65.8
119	31.0	26.5	39.7

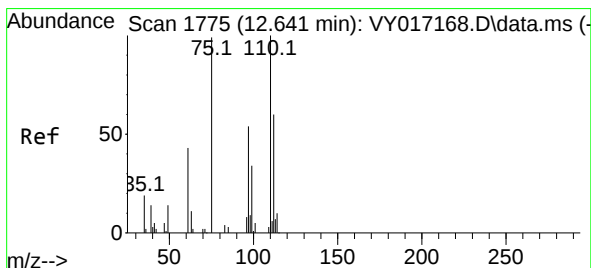
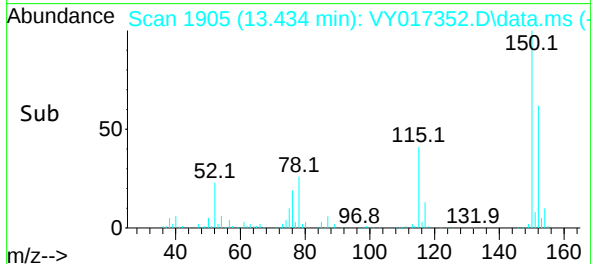
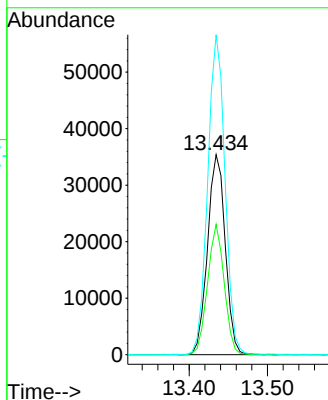
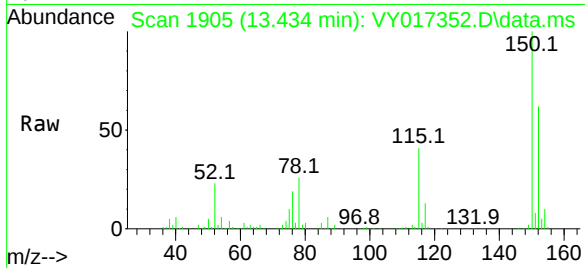




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY017352.D
 Acq: 12 Feb 2024 14:40

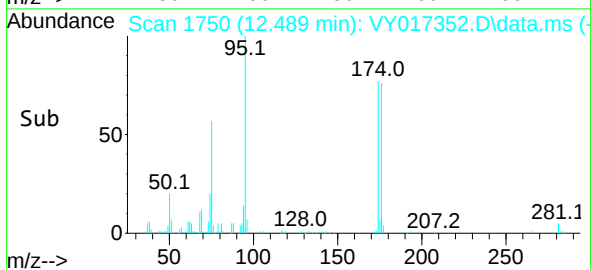
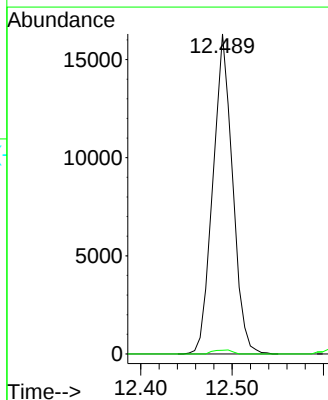
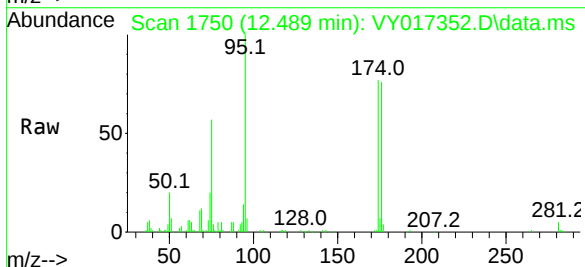
Instrument :
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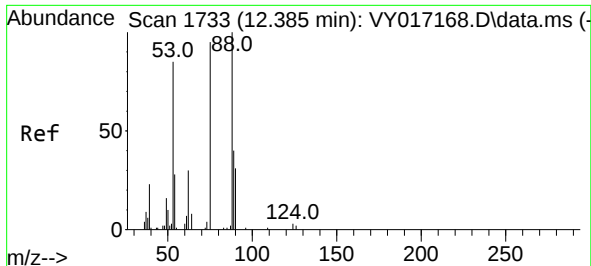
Tgt Ion:152 Resp: 55552
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.0 90.0
 150 156.1 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 47.639 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY017352.D
 Acq: 12 Feb 2024 14:40

Tgt Ion: 75 Resp: 24426
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

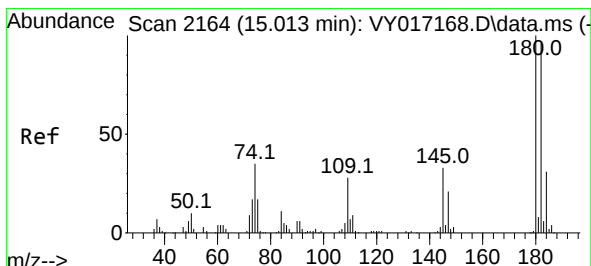
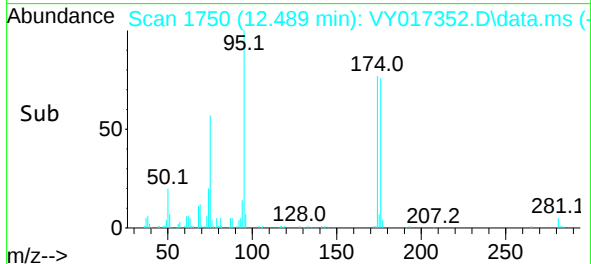
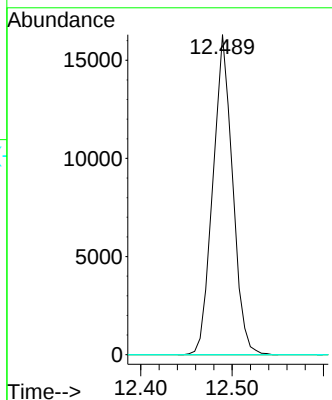
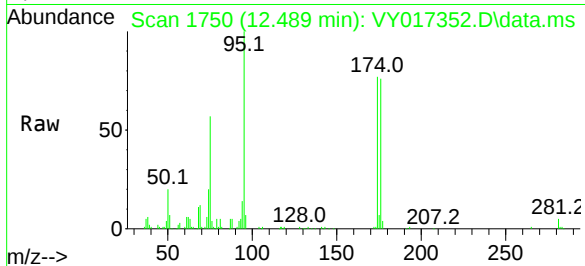




#81
trans-1,4-Dichloro-2-butene
Concen: 98.986 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

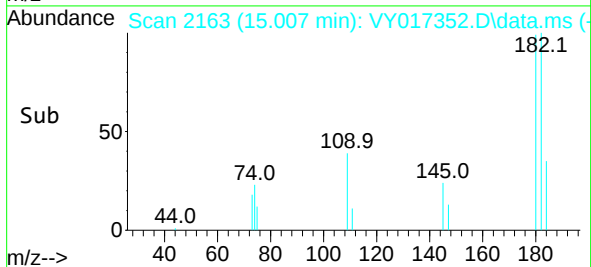
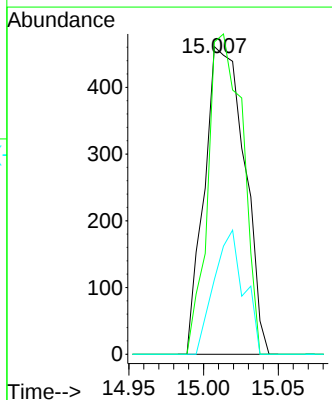
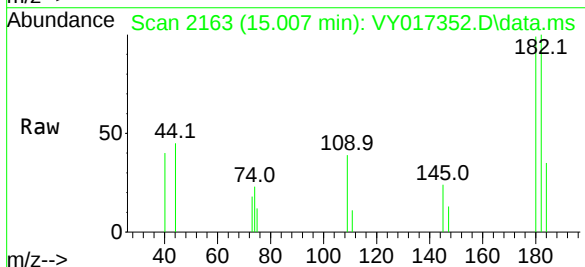
Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBL01

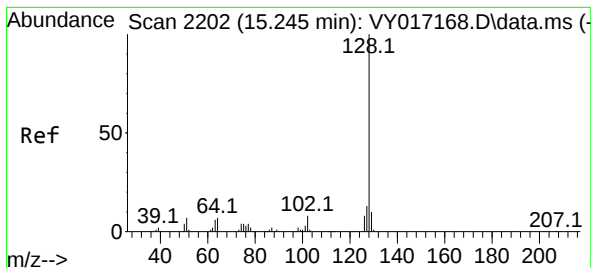
Tgt Ion: 75 Resp: 24426
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.124 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VY017352.D
Acq: 12 Feb 2024 14:40

Tgt Ion:180 Resp: 858
Ion Ratio Lower Upper
180 100
182 90.4 47.9 143.7
145 30.1 15.9 47.7





#95

Naphthalene

Concen: 4.274 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY017352.D

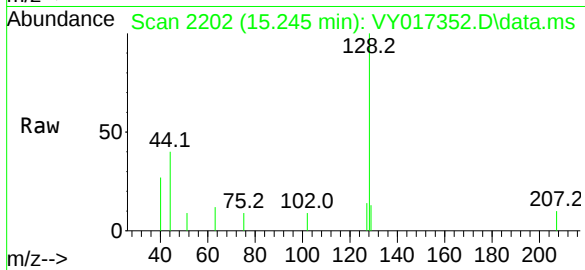
Acq: 12 Feb 2024 14:40

Instrument :

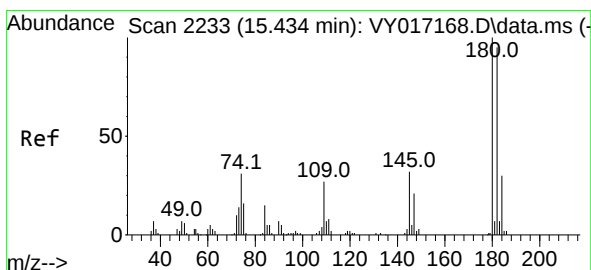
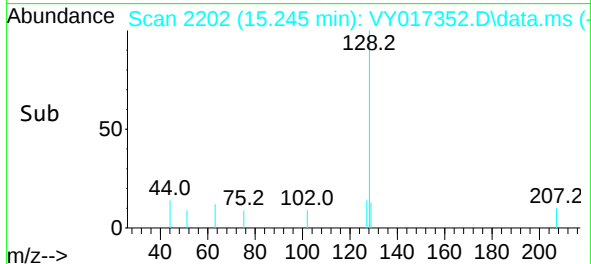
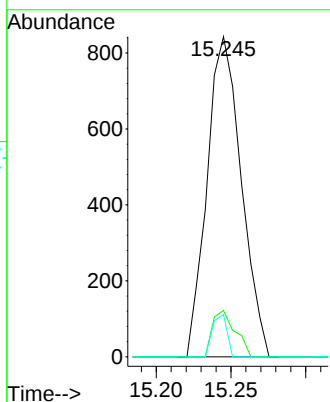
MSVOA_Y

ClientSampleId :

VY0212SBL01



Tgt Ion:	128	Resp:	1340
Ion Ratio	Lower	Upper	
128	100		
127	9.6	10.2	15.4#
129	5.6	8.6	12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.072 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.006 min

Lab File: VY017352.D

Acq: 12 Feb 2024 14:40

Tgt Ion:	180	Resp:	696
Ion Ratio	Lower	Upper	
180	100		
182	97.3	46.3	138.8
145	29.5	16.1	48.2

