

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021360.D
 Acq On : 27 Feb 2025 15:58
 Operator : SY/MD
 Sample : Q1421-01
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF01-01

Quant Time: Feb 28 00:42:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

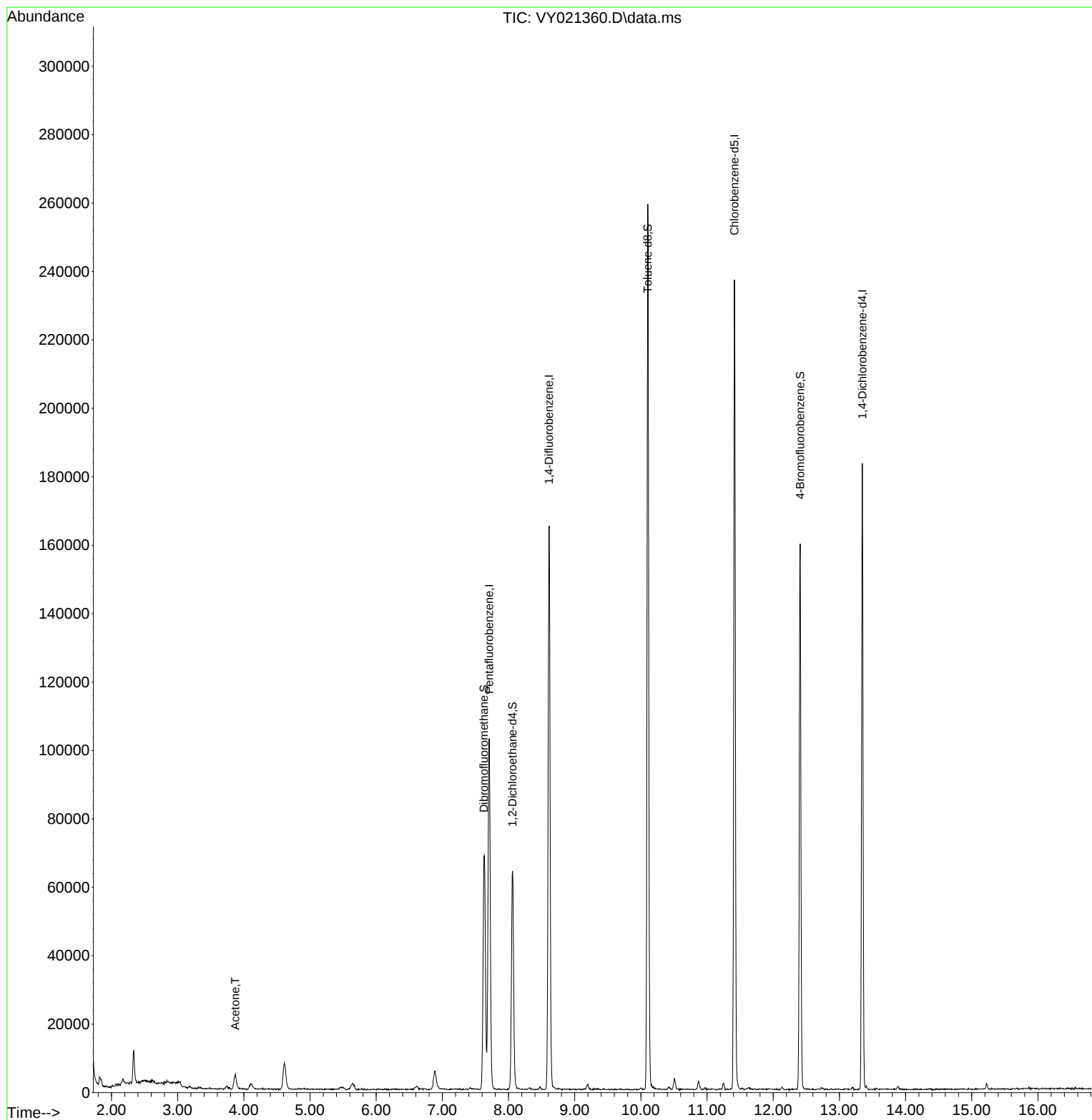
Internal Standards						
1) Pentafluorobenzene	7.707	168	78369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	138230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	120526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	44512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53599	60.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.580%
35) Dibromofluoromethane	7.628	113	48777	53.823	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.640%
50) Toluene-d8	10.103	98	166190	47.450	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.900%
62) 4-Bromofluorobenzene	12.408	95	46211	39.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.400%
Target Compounds						
16) Acetone	3.873	43	7515	44.067	ug/l	Qvalue # 82

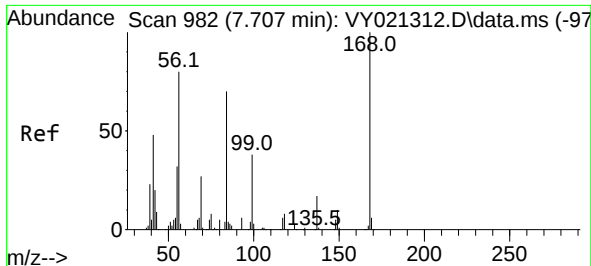
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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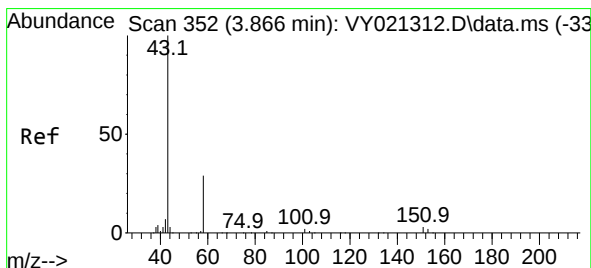
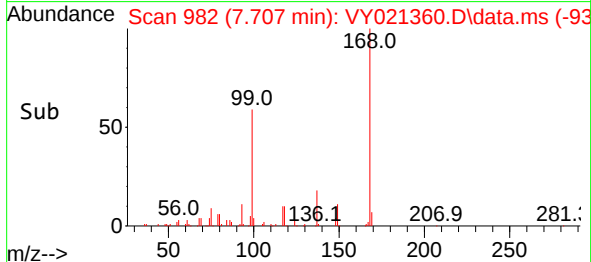
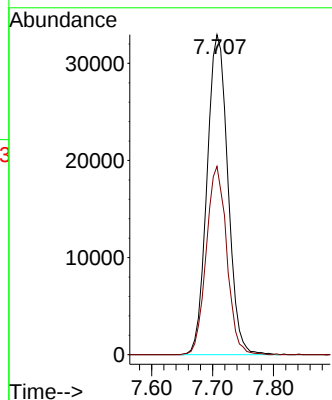
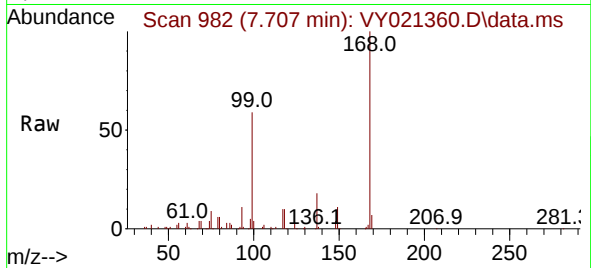




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

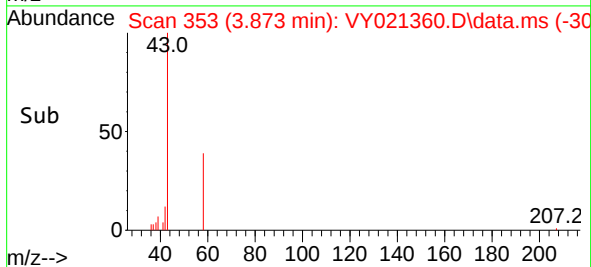
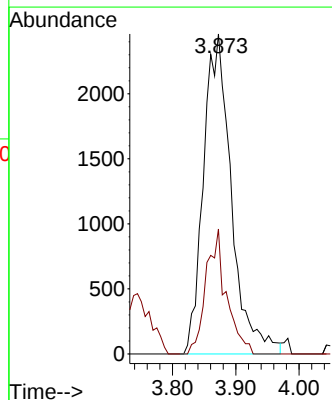
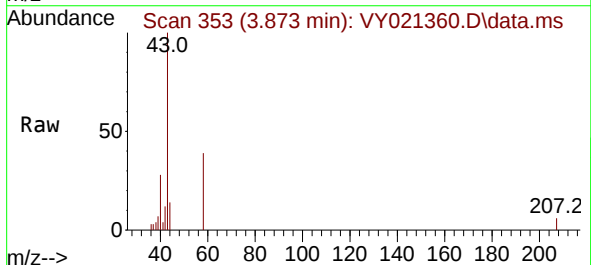
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

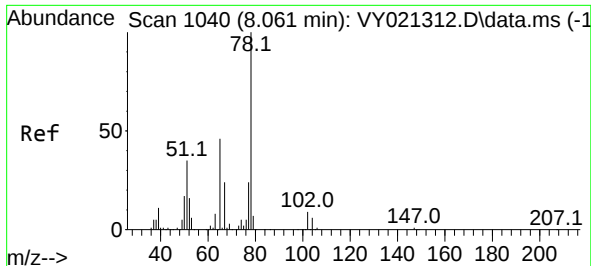
Tgt Ion:168 Resp: 78369
Ion Ratio Lower Upper
168 100
99 58.8 47.1 70.7



#16
Acetone
Concen: 44.067 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 43 Resp: 7515
Ion Ratio Lower Upper
43 100
58 39.1 23.5 35.3#





#33

1,2-Dichloroethane-d4

Concen: 60.290 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021360.D

Acq: 27 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

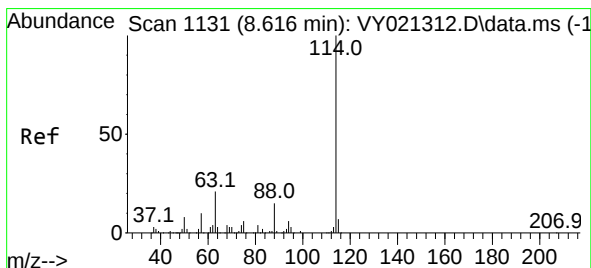
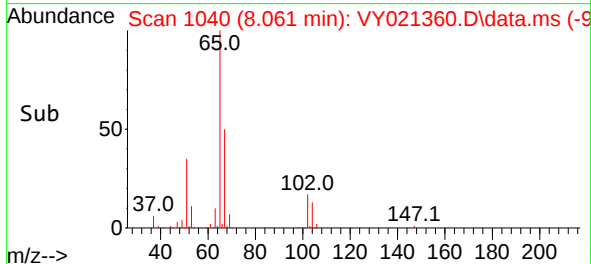
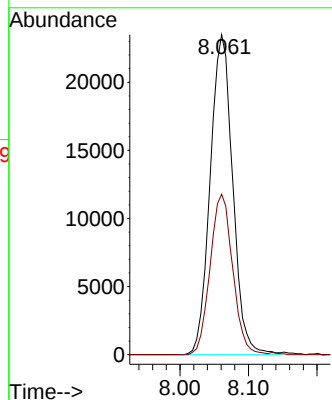
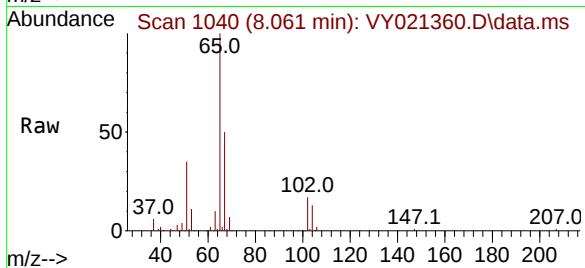
P001-CLAY-CF01-01

Tgt Ion: 65 Resp: 53599

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021360.D

Acq: 27 Feb 2025 15:58

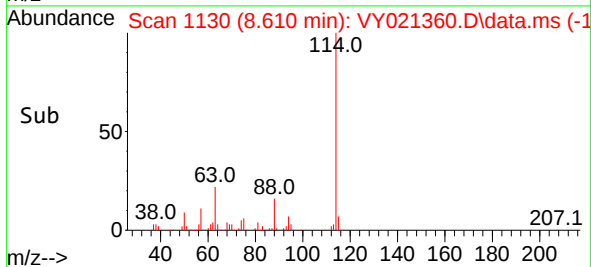
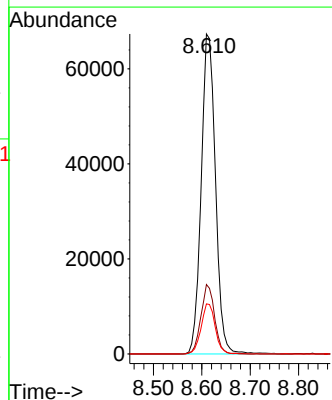
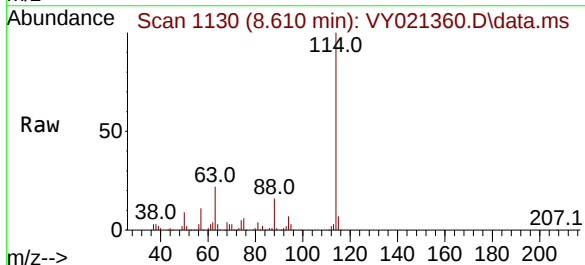
Tgt Ion: 114 Resp: 138230

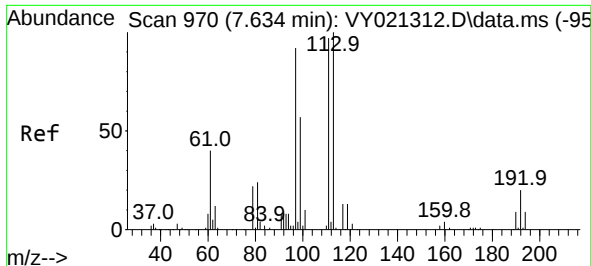
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

88 15.7 0.0 29.8

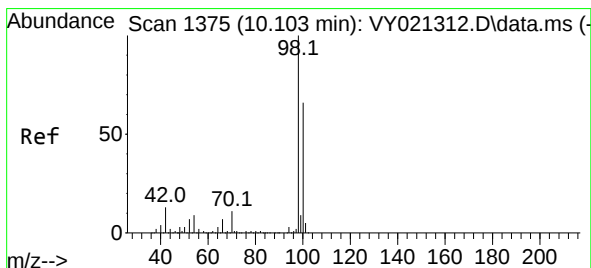
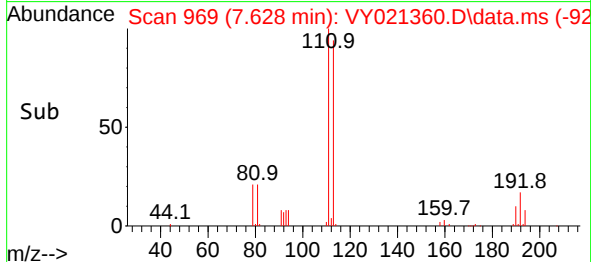
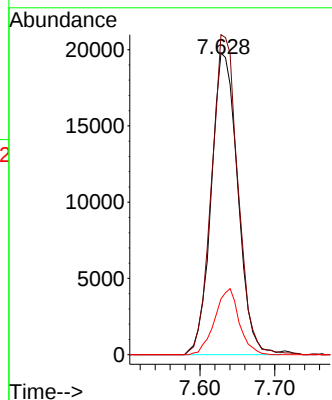
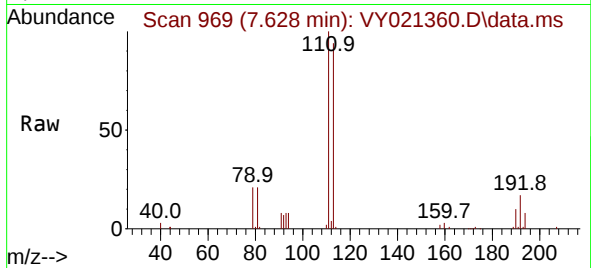




#35
 Dibromofluoromethane
 Concen: 53.823 ug/l
 RT: 7.628 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY021360.D
 Acq: 27 Feb 2025 15:58

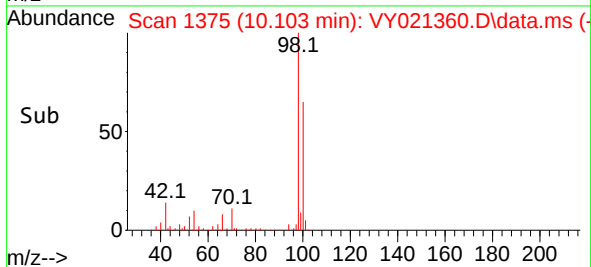
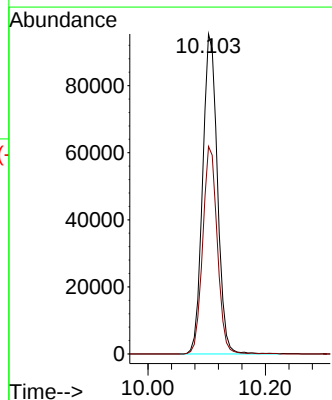
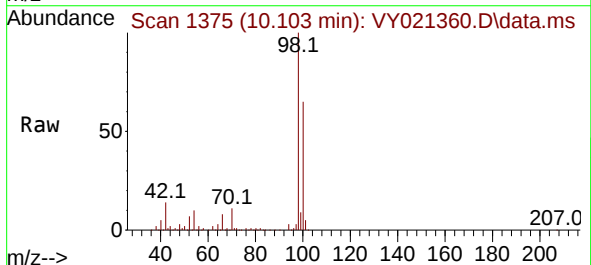
Instrument :
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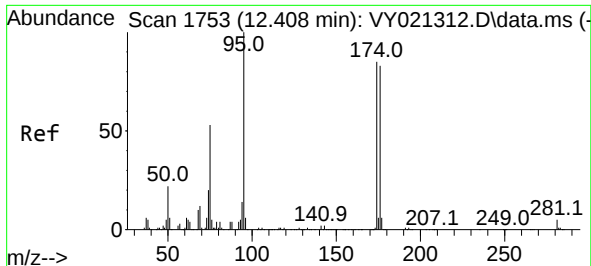
Tgt Ion:113	Resp:	48777	
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.6
192	20.1	15.8	23.8



#50
 Toluene-d8
 Concen: 47.450 ug/l
 RT: 10.103 min Scan# 1375
 Delta R.T. 0.000 min
 Lab File: VY021360.D
 Acq: 27 Feb 2025 15:58

Tgt Ion: 98	Resp: 166190
Ion Ratio	Lower Upper
98 100	
100 63.8	52.4 78.6

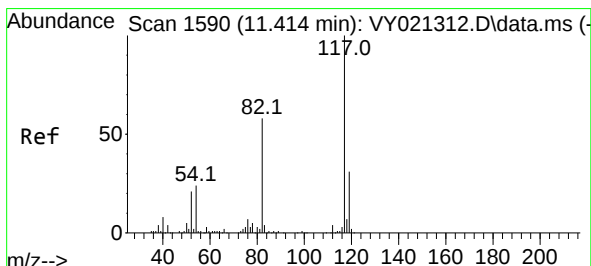
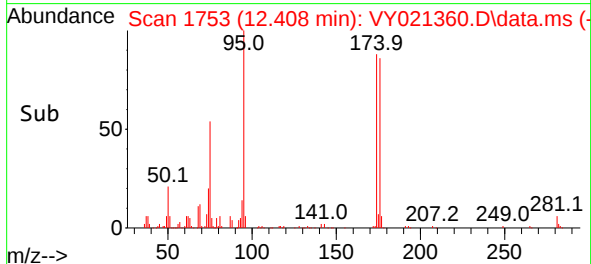
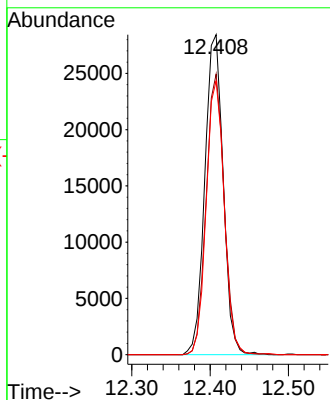
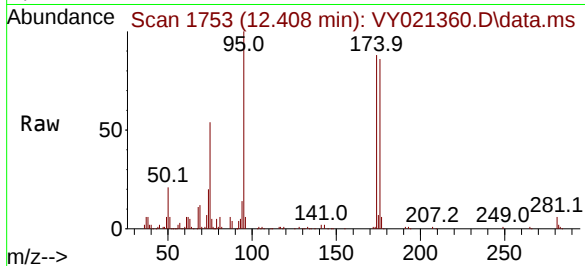




#62
4-Bromofluorobenzene
Concen: 39.205 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

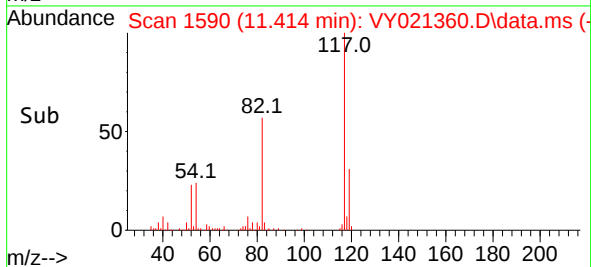
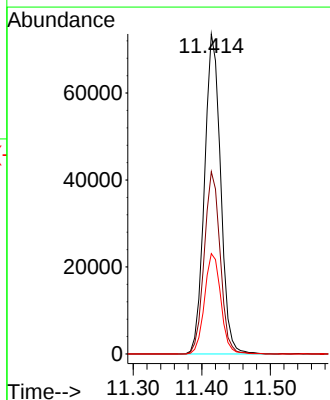
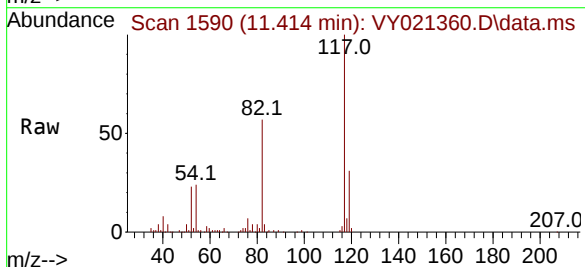
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ClientSampleId :
P001-CLAY-CF01-01

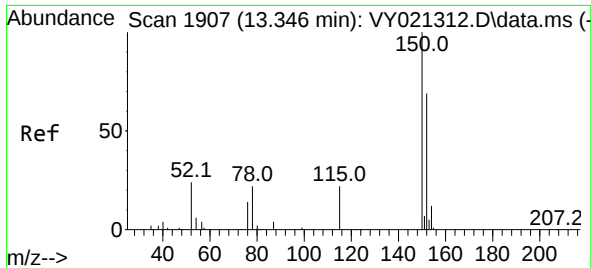
Tgt Ion:	95	Resp:	46211
Ion Ratio	Lower	Upper	
95	100		
174	86.4	0.0	168.0
176	83.8	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion:	117	Resp:	120526
Ion Ratio	Lower	Upper	
117	100		
82	57.0	46.2	69.4
119	31.4	24.9	37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021360.D

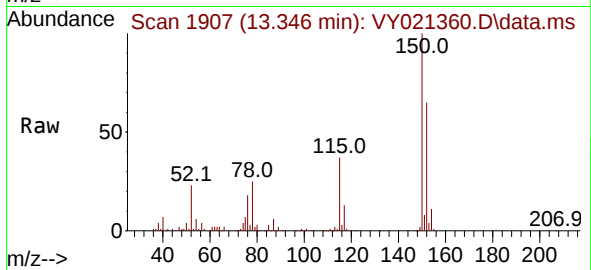
Acq: 27 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF01-01



Tgt Ion:152 Resp: 44512

Ion Ratio Lower Upper

152 100

115 57.6 29.3 88.0

150 156.3 0.0 347.4

