

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048805.D
 Acq On : 10 Dec 2025 13:09
 Operator : JC/MD
 Sample : Q3803-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-MRE

Quant Time: Dec 10 13:26:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

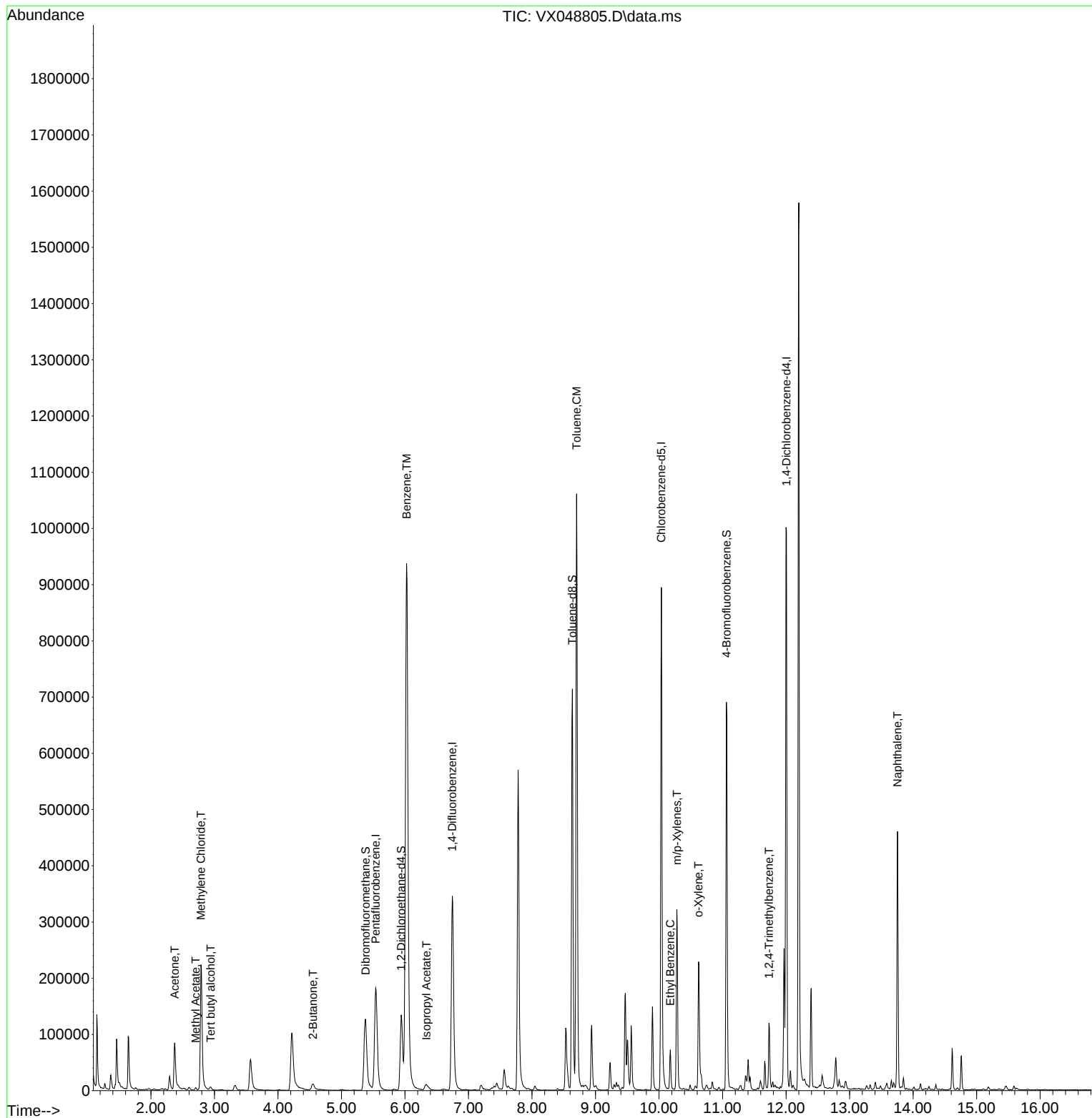
Internal Standards						
1) Pentafluorobenzene	5.538	168	194134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	396601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	422045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	226205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	144998	55.648	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.300%
35) Dibromofluoromethane	5.379	113	130372	47.742	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.480%
50) Toluene-d8	8.635	98	454567	47.489	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.980%
62) 4-Bromofluorobenzene	11.061	95	201414	61.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	6456	15.347	ug/l	98
16) Acetone	2.374	43	114197	114.484	ug/l	97
18) Methyl Acetate	2.703	43	6026	2.147	ug/l	95
20) Methylene Chloride	2.788	84	114610	45.968	ug/l	99
25) 2-Butanone	4.550	43	21745	14.770	ug/l #	87
40) Benzene	6.025	78	1259312	113.579	ug/l	100
43) Isopropyl Acetate	6.336	43	15424	2.279	ug/l #	94
52) Toluene	8.702	92	421938	63.108	ug/l	99
67) Ethyl Benzene	10.177	91	43258	2.870	ug/l	99
68) m/p-Xylenes	10.281	106	79179	13.484	ug/l	99
69) o-Xylene	10.622	106	48823	8.873	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	45544	3.603	ug/l	72
95) Naphthalene	13.756	128	278522	22.145	ug/l	99

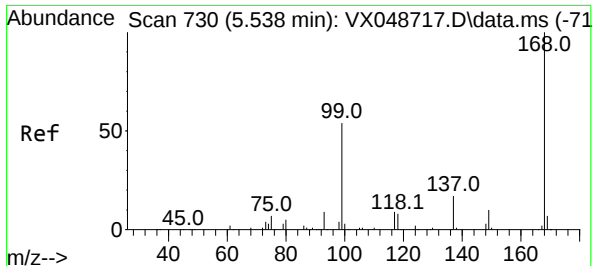
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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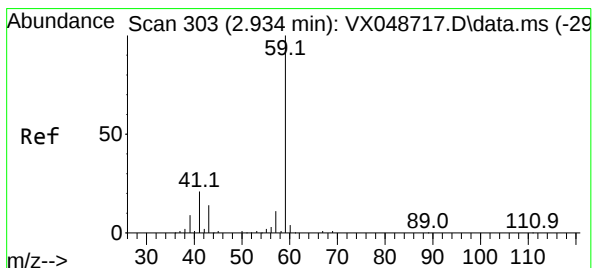
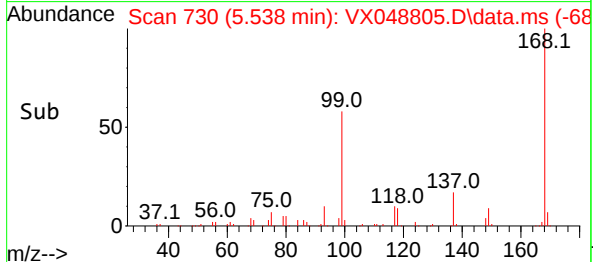
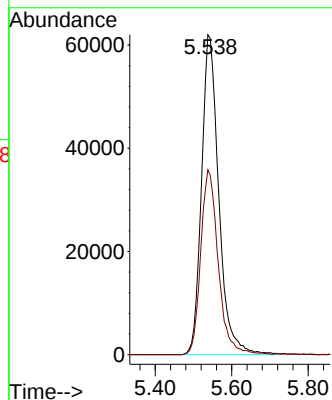
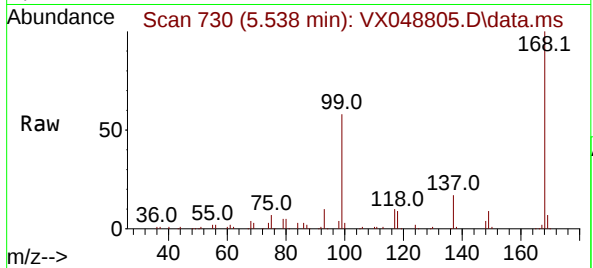




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

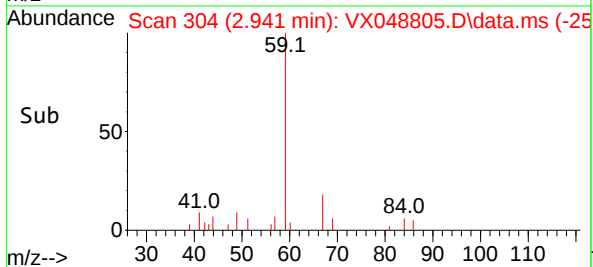
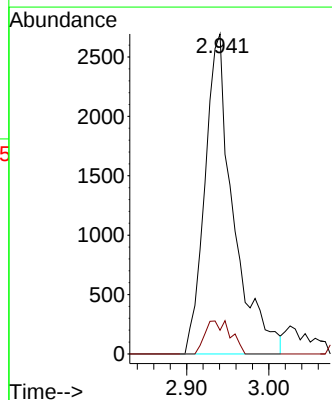
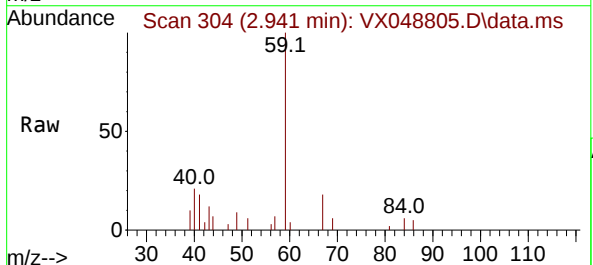
Instrument :
MSVOA_X
ClientSampleId :
CHASE-MRE

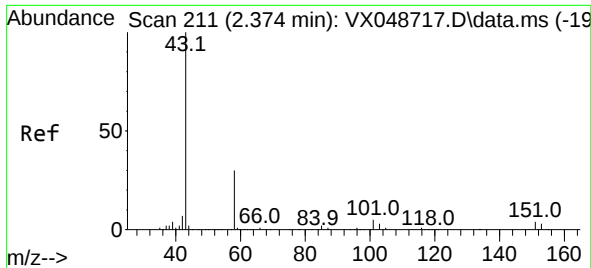
Tgt Ion:168 Resp: 194134
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 15.347 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion: 59 Resp: 6456
Ion Ratio Lower Upper
59 100
57 9.4 8.1 12.1

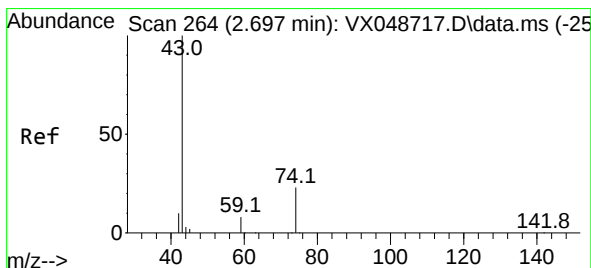
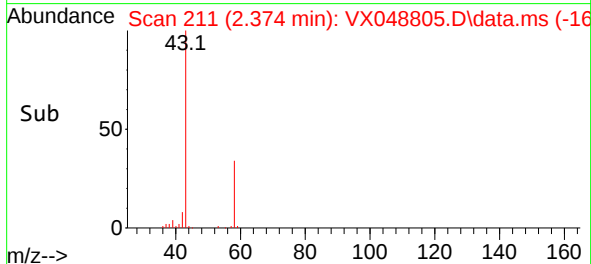
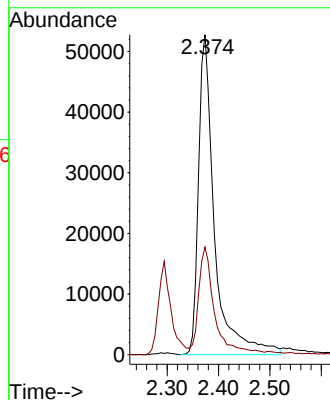
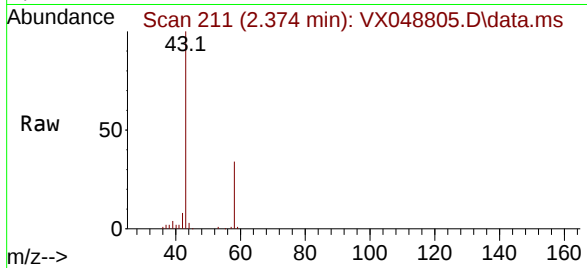




#16
Acetone
Concen: 114.484 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

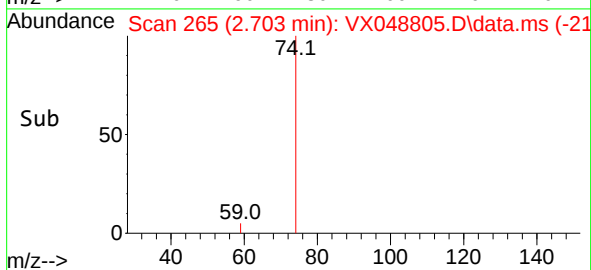
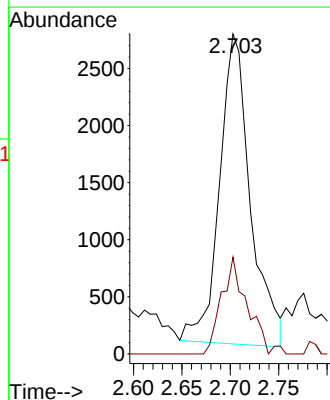
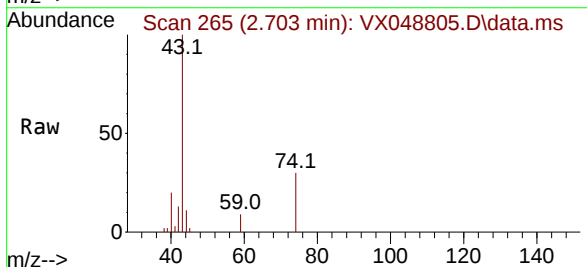
Instrument :
MSVOA_X
ClientSampleId :
CHASE-MRE

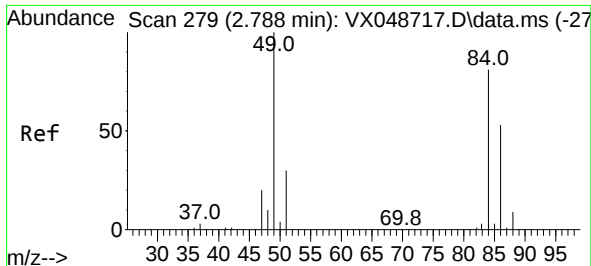
Tgt Ion: 43 Resp: 114197
Ion Ratio Lower Upper
43 100
58 32.9 25.0 37.4



#18
Methyl Acetate
Concen: 2.147 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion: 43 Resp: 6026
Ion Ratio Lower Upper
43 100
74 26.2 19.2 28.8

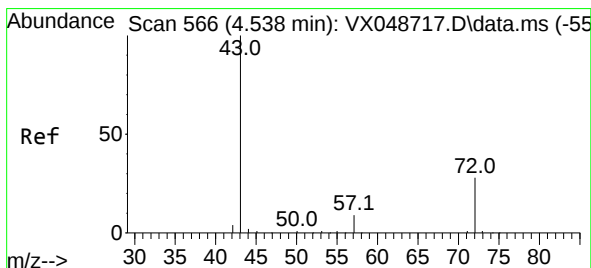
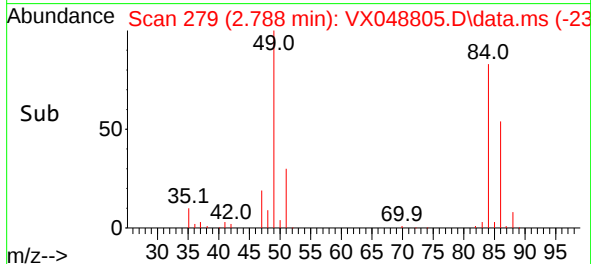
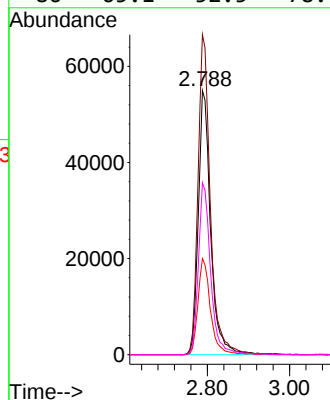
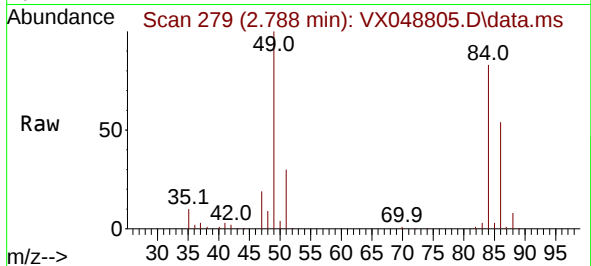




#20
Methylene Chloride
Concen: 45.968 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

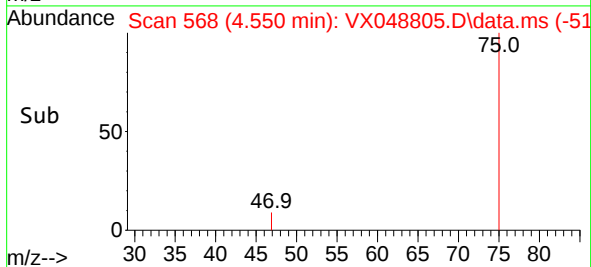
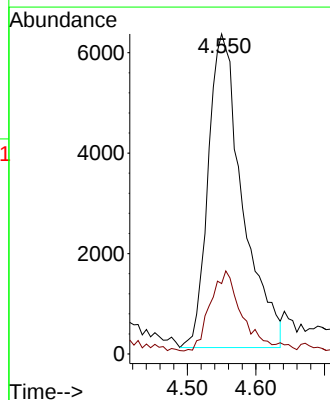
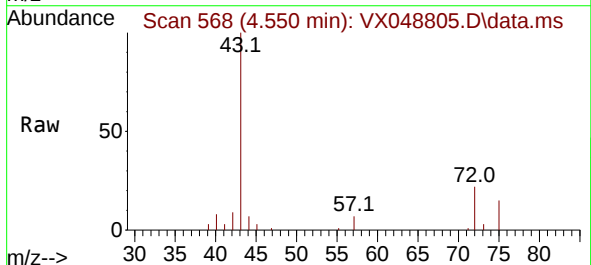
Instrument :
MSVOA_X
ClientSampleId :
CHASE-MRE

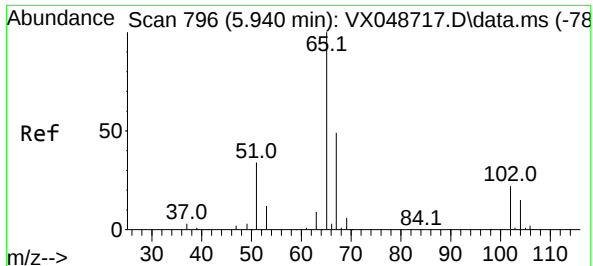
Tgt Ion:	84	Resp:	114610
Ion	Ratio	Lower	Upper
84	100		
49	121.2	98.7	148.1
51	36.4	29.4	44.2
86	65.1	52.5	78.7



#25
2-Butanone
Concen: 14.770 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion:	43	Resp:	21745
Ion	Ratio	Lower	Upper
43	100		
72	21.4	22.6	34.0#





#33

1,2-Dichloroethane-d4

Concen: 55.648 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048805.D

Acq: 10 Dec 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

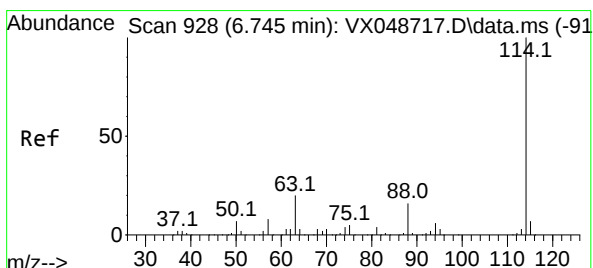
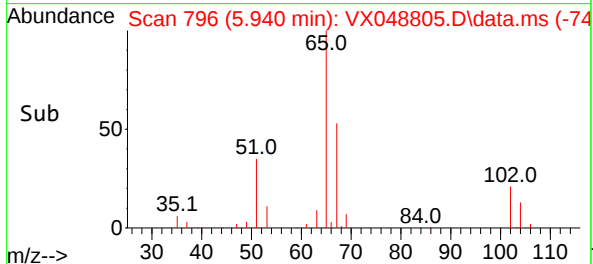
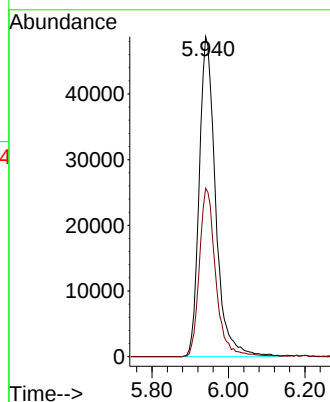
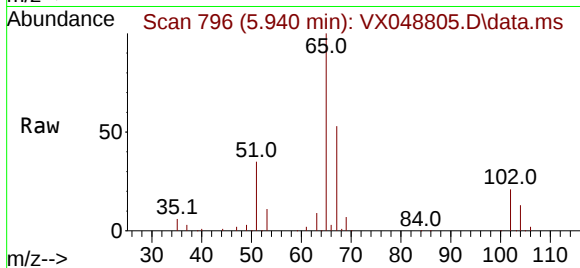
CHASE-MRE

Tgt Ion: 65 Resp: 144998

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048805.D

Acq: 10 Dec 2025 13:09

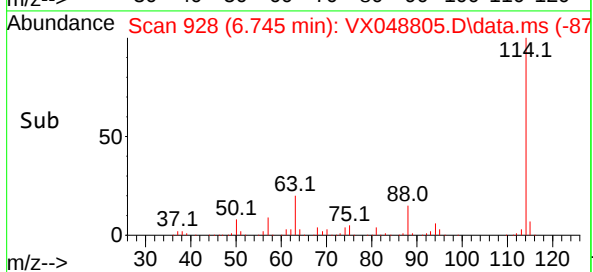
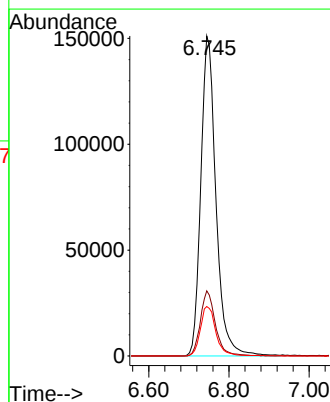
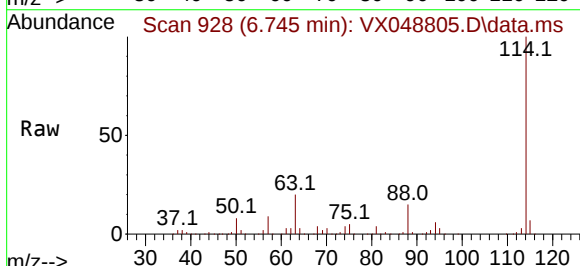
Tgt Ion: 114 Resp: 396601

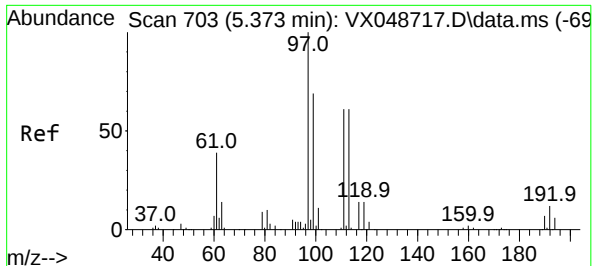
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

88 15.5 0.0 31.8

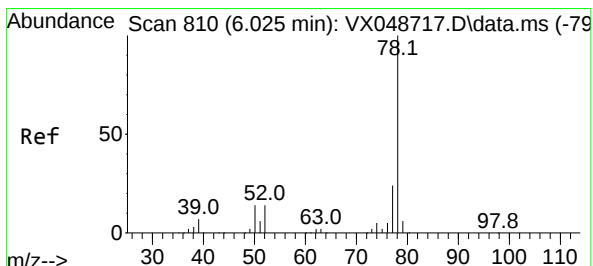
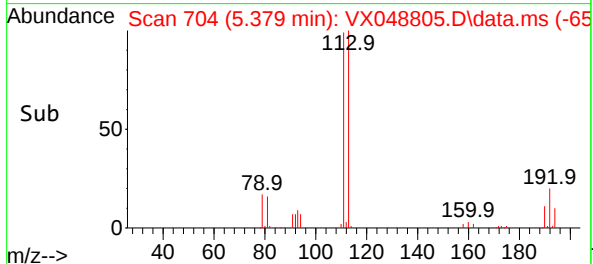
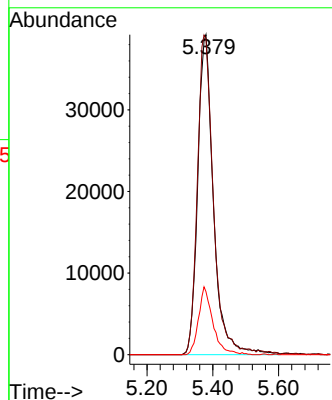
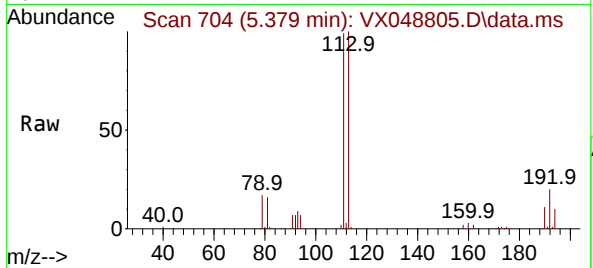




#35
Dibromofluoromethane
Concen: 47.742 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

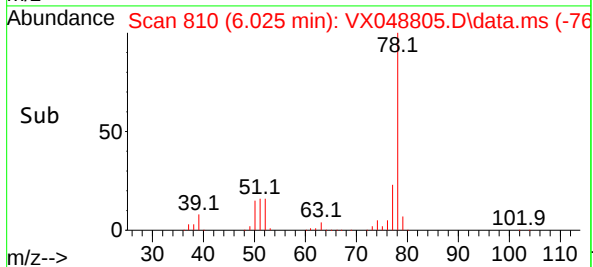
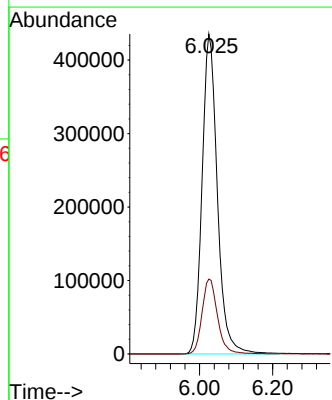
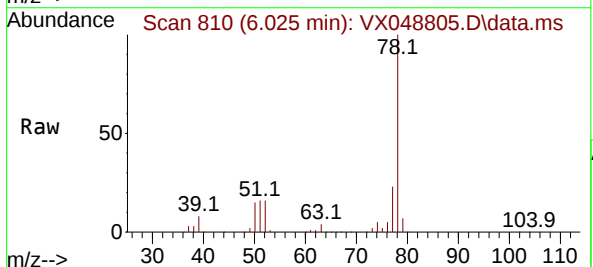
Instrument :
MSVOA_X
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CHASE-MRE

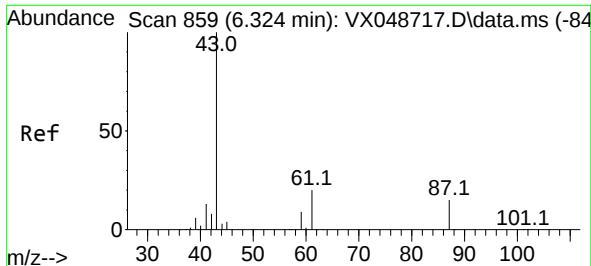
Tgt Ion:113 Resp: 130372
Ion Ratio Lower Upper
113 100
111 101.0 79.5 119.3
192 19.2 16.1 24.1



#40
Benzene
Concen: 113.579 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion: 78 Resp: 1259312
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

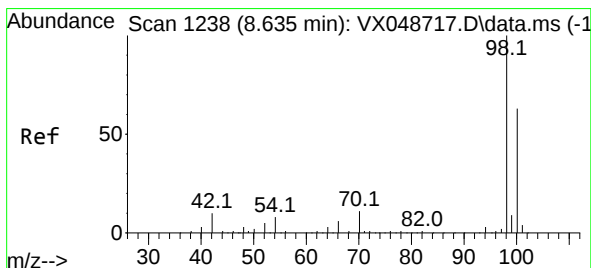
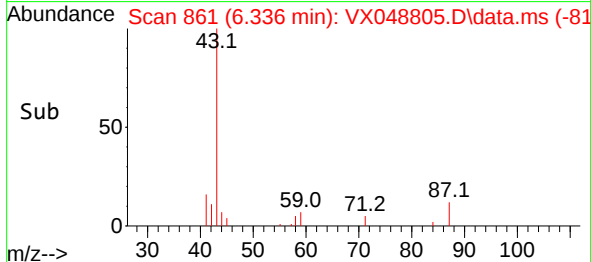
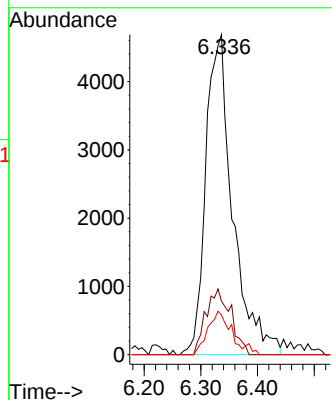
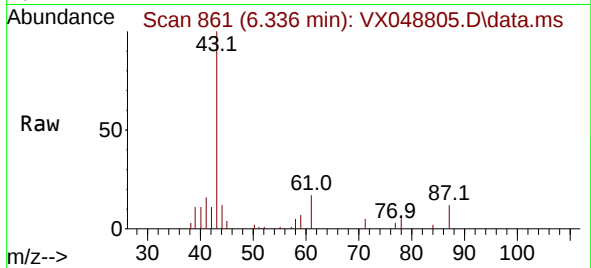




#43
Isopropyl Acetate
Concen: 2.279 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

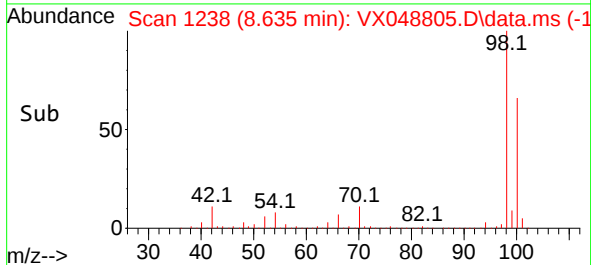
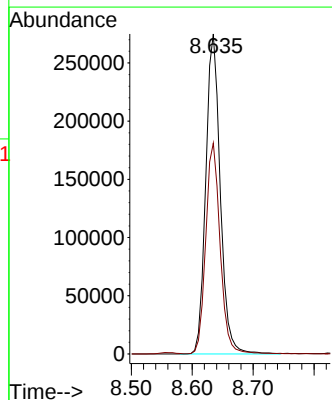
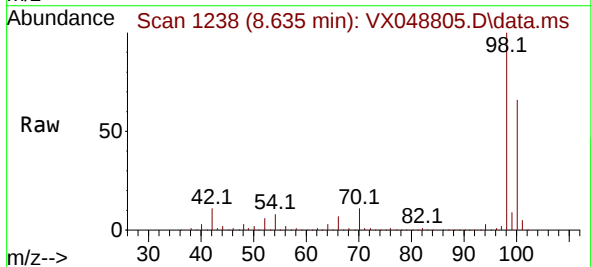
Instrument :
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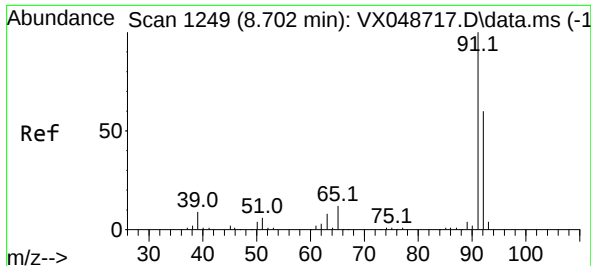
Tgt Ion: 43 Resp: 15424
Ion Ratio Lower Upper
43 100
61 19.0 16.8 25.2
87 11.2 11.8 17.6#



#50
Toluene-d8
Concen: 47.489 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion: 98 Resp: 454567
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0

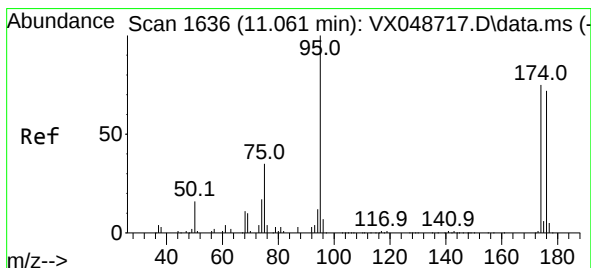
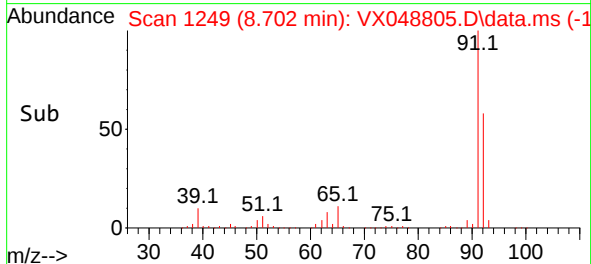
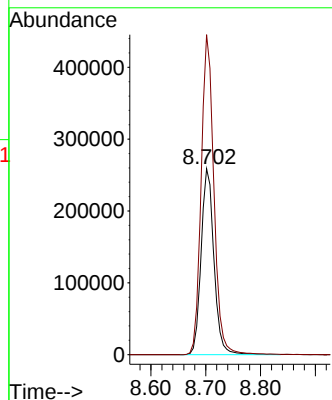
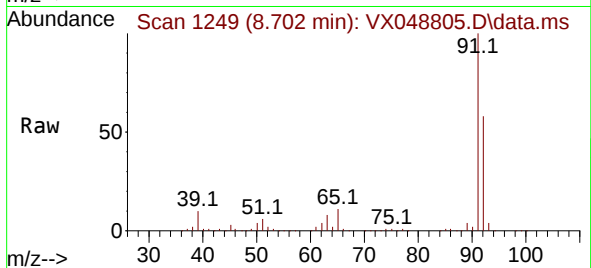




#52
Toluene
Concen: 63.108 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

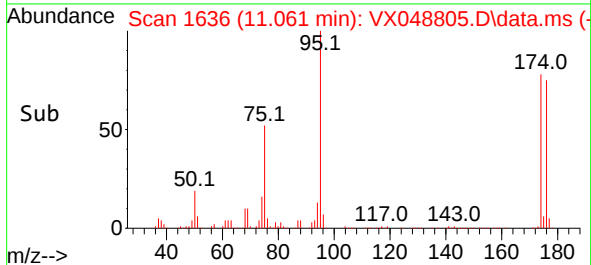
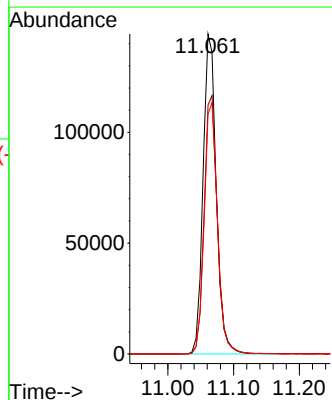
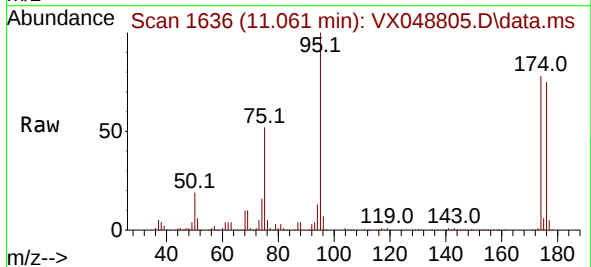
Instrument :
MSVOA_X
ClientSampleId :
CHASE-MRE

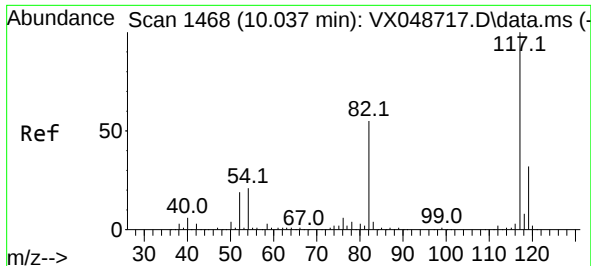
Tgt Ion: 92 Resp: 421938
Ion Ratio Lower Upper
92 100
91 171.2 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 61.020 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion: 95 Resp: 201414
Ion Ratio Lower Upper
95 100
174 81.4 0.0 157.8
176 78.7 0.0 154.0

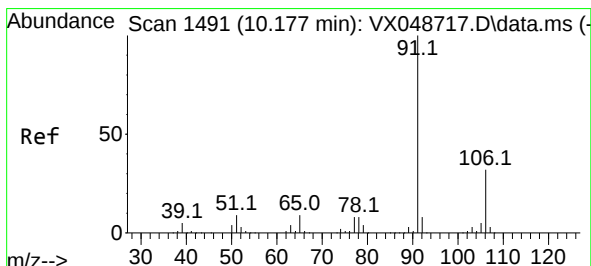
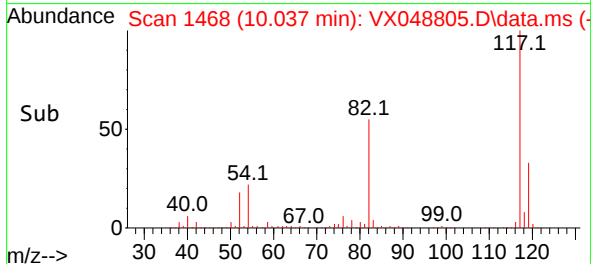
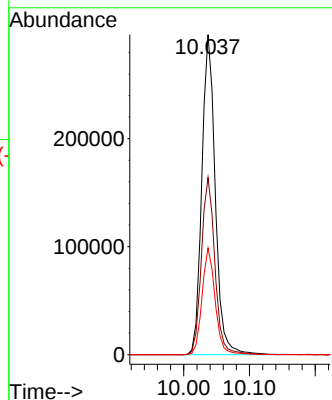
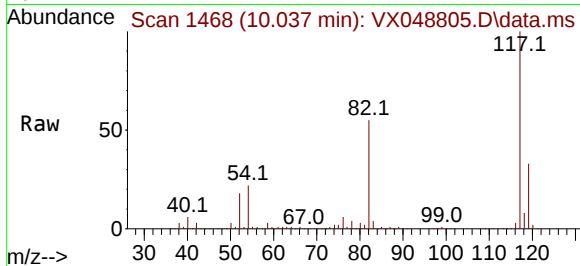




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

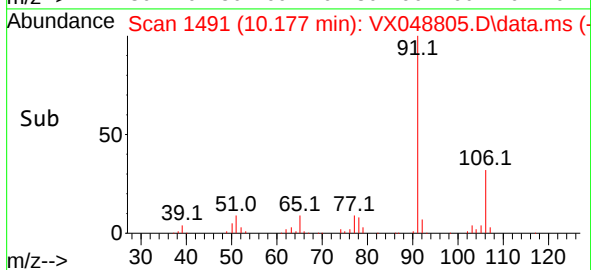
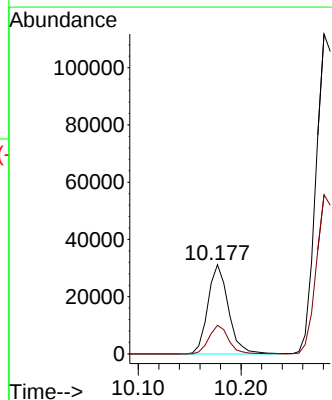
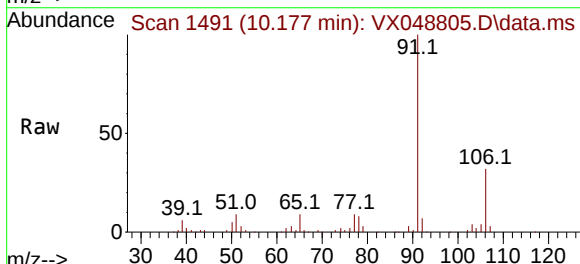
Instrument :
MSVOA_X
ClientSampleId :
CHASE-MRE

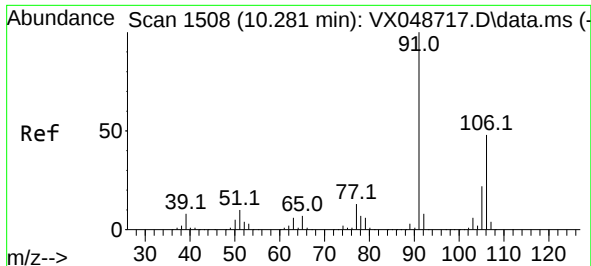
Tgt Ion:117 Resp: 422045
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 33.3 25.2 37.8



#67
Ethyl Benzene
Concen: 2.870 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion: 91 Resp: 43258
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9

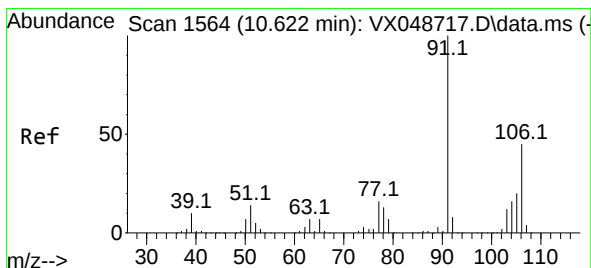
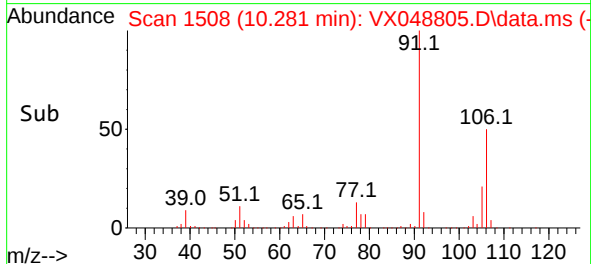
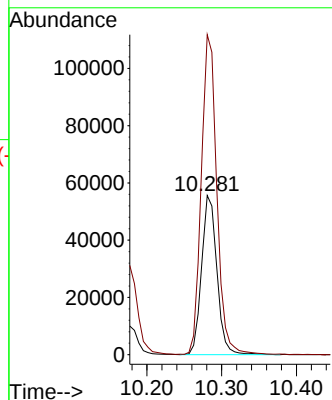
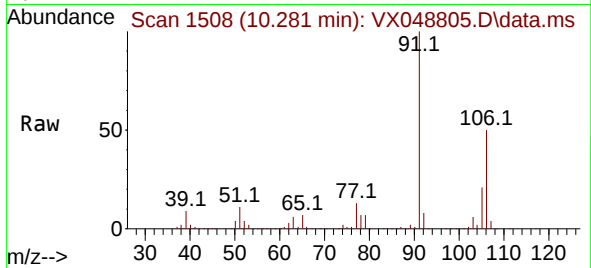




#68
m/p-Xylenes
Concen: 13.484 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

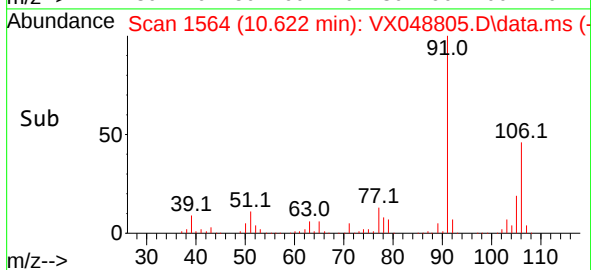
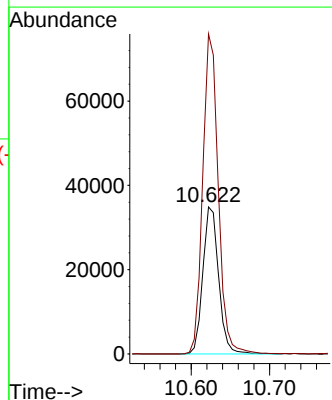
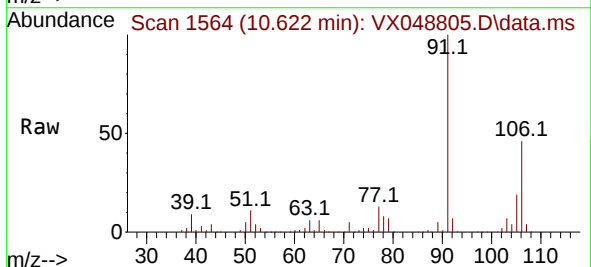
Instrument :
MSVOA_X
ClientSampleId :
CHASE-MRE

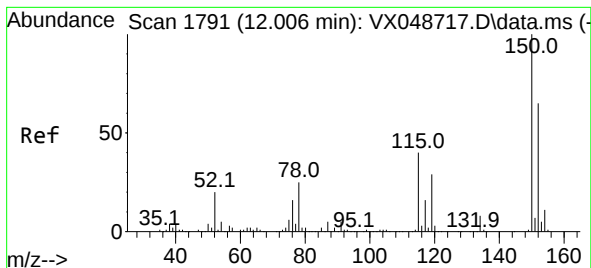
Tgt Ion:106 Resp: 79179
Ion Ratio Lower Upper
106 100
91 203.1 164.2 246.4



#69
o-Xylene
Concen: 8.873 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX048805.D
Acq: 10 Dec 2025 13:09

Tgt Ion:106 Resp: 48823
Ion Ratio Lower Upper
106 100
91 213.9 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048805.D

Acq: 10 Dec 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

CHASE-MRE

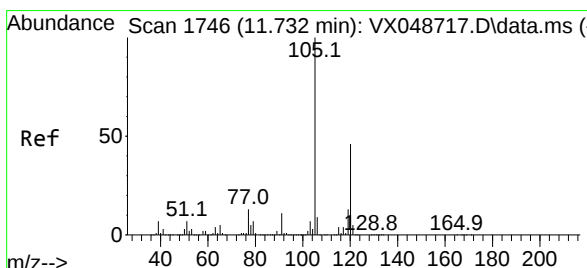
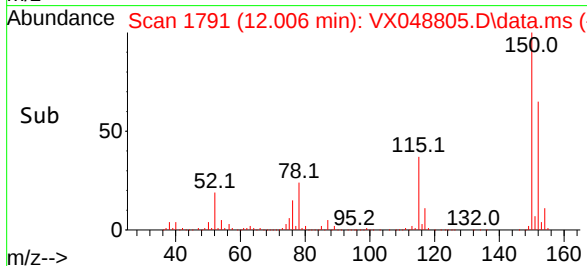
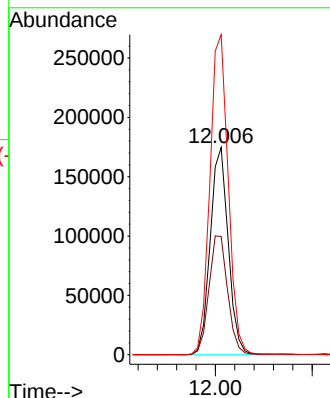
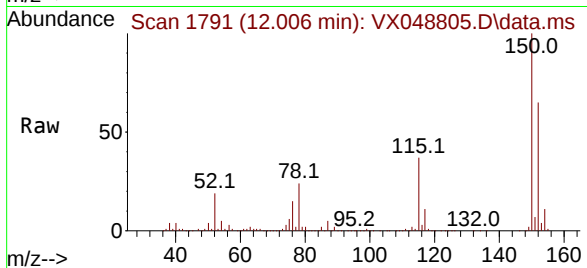
Tgt Ion:152 Resp: 226205

Ion Ratio Lower Upper

152 100

115 59.7 42.1 126.4

150 157.2 0.0 347.8



#84

1,2,4-Trimethylbenzene

Concen: 3.603 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048805.D

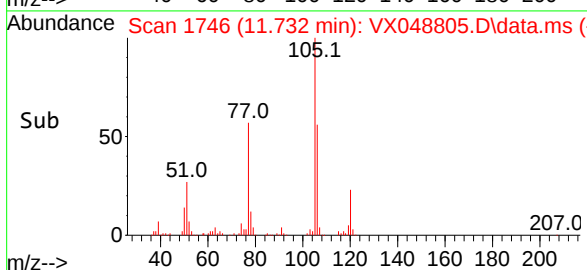
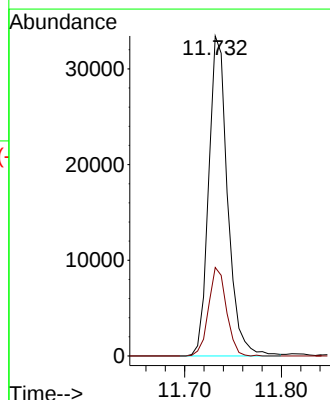
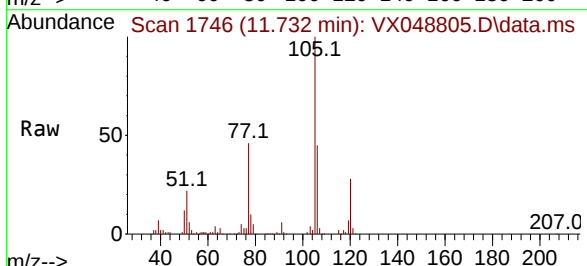
Acq: 10 Dec 2025 13:09

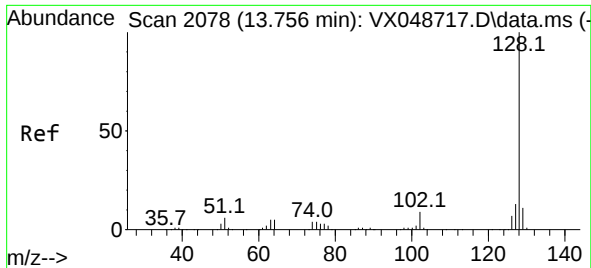
Tgt Ion:105 Resp: 45544

Ion Ratio Lower Upper

105 100

120 26.1 22.3 66.8





#95

Naphthalene

Concen: 22.145 ug/l

RT: 13.756 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX048805.D

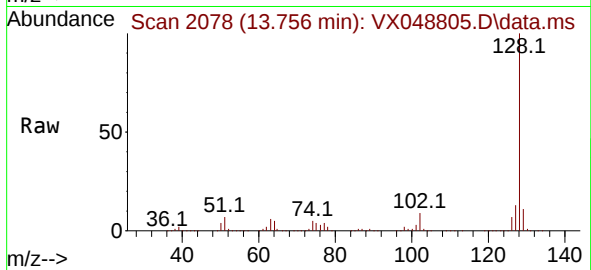
Acq: 10 Dec 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

CHASE-MRE



Tgt Ion:128 Resp: 278522

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.1 8.6 13.0

