

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046887.D
 Acq On : 03 Jul 2025 14:58
 Operator : JC/MD
 Sample : Q2503-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3W

Quant Time: Jul 04 01:33:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	551922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	910736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	827841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	418170	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	348246	47.761	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.520%
35) Dibromofluoromethane	5.397	113	298561	48.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
50) Toluene-d8	8.647	98	1074386	49.257	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.520%
62) 4-Bromofluorobenzene	11.079	95	424937	51.261	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.520%

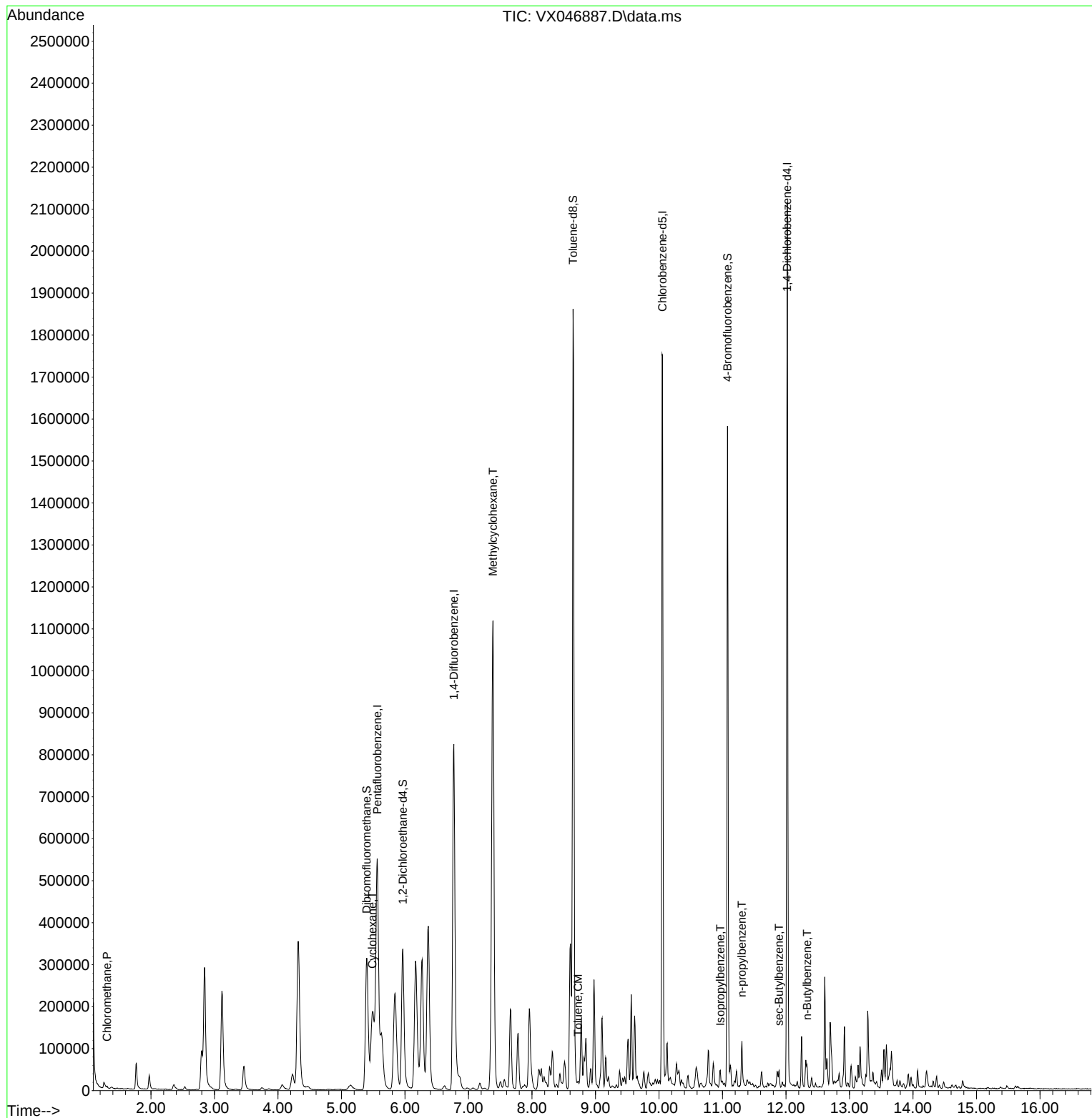
Target Compounds						Qvalue
3) Chloromethane	1.307	50	2895	0.502	ug/l	97
31) Cyclohexane	5.483	56	146832	14.088	ug/l	97
39) Methylcyclohexane	7.385	83	510352	48.913	ug/l	97
52) Toluene	8.726	92	5856	0.375	ug/l	95
73) Isopropylbenzene	10.964	105	21739	0.740	ug/l	100
78) n-propylbenzene	11.305	91	69597	1.963	ug/l	99
85) sec-Butylbenzene	11.890	105	18826	0.605	ug/l	95
89) n-Butylbenzene	12.329	91	23191	0.948	ug/l	93

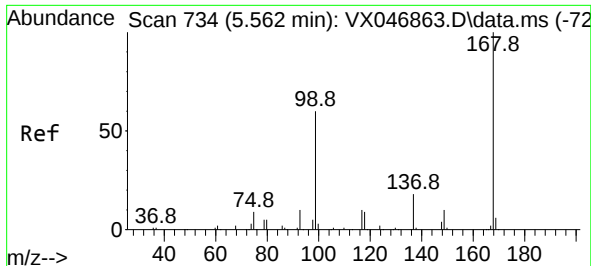
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GCAP3W

Quant Time: Jul 04 01:33:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

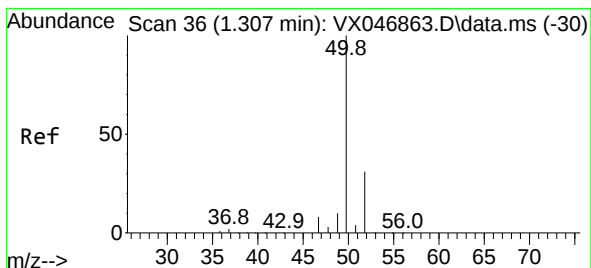
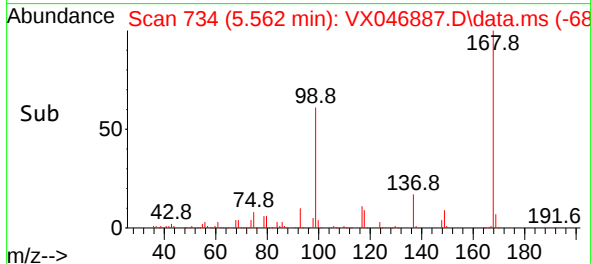
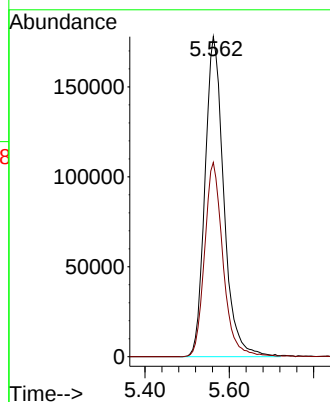
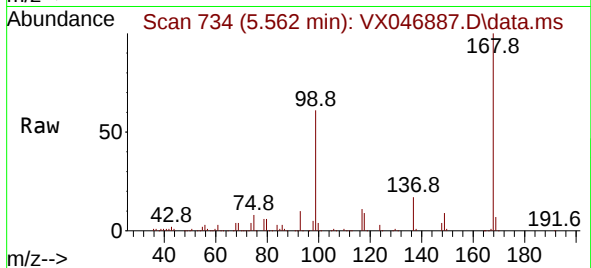




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

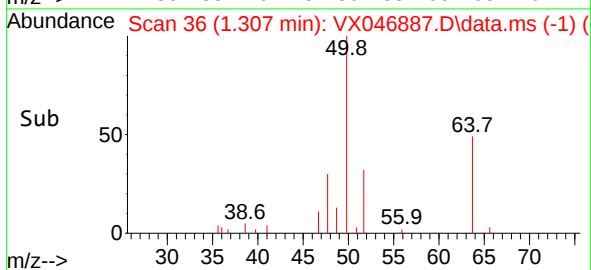
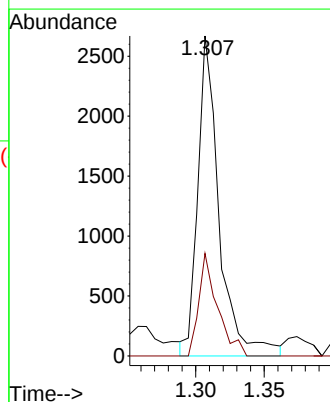
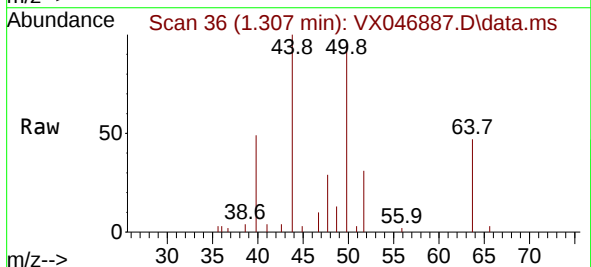
Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

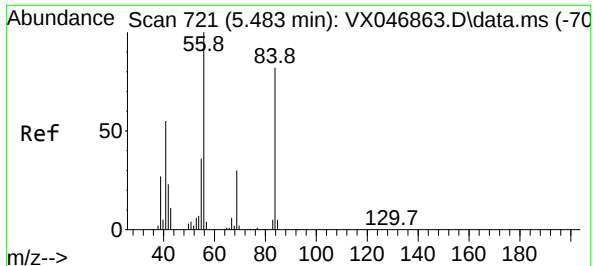
Tgt Ion:168 Resp: 551922
Ion Ratio Lower Upper
168 100
99 60.7 48.8 73.2



#3
Chloromethane
Concen: 0.502 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 50 Resp: 2895
Ion Ratio Lower Upper
50 100
52 33.1 25.0 37.4

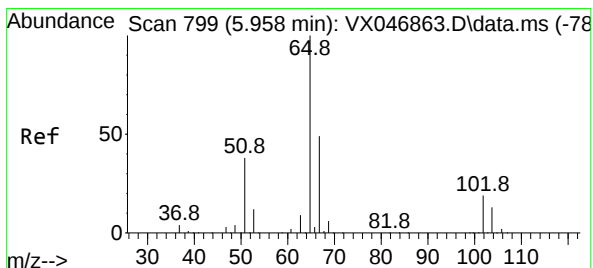
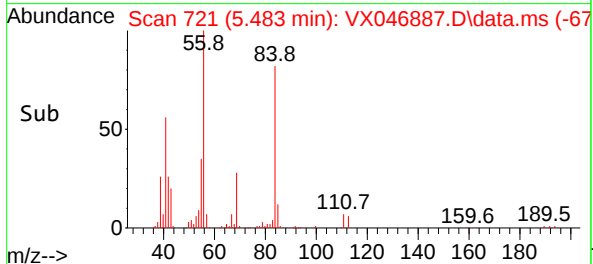
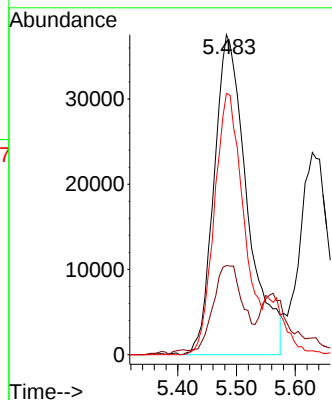
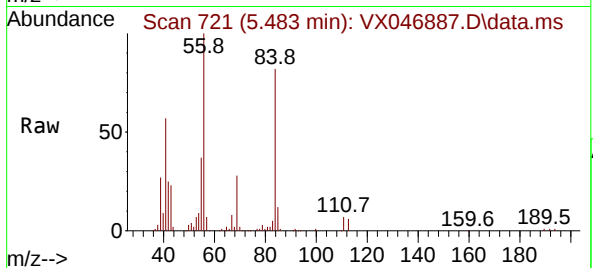




#31
Cyclohexane
Concen: 14.088 ug/l
RT: 5.483 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

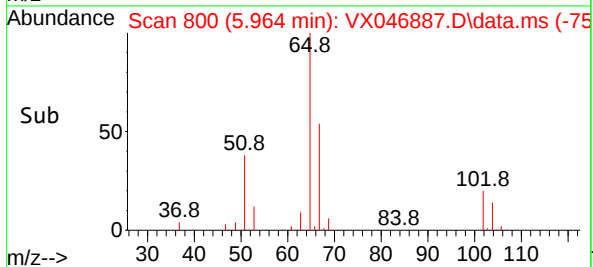
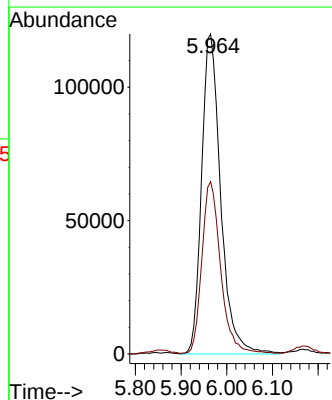
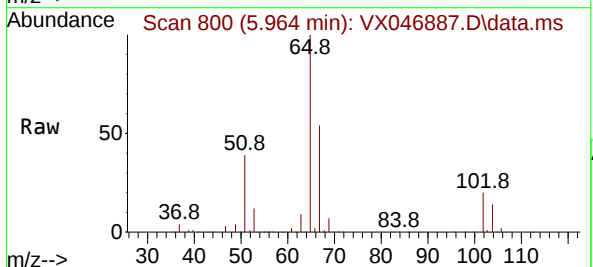
Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

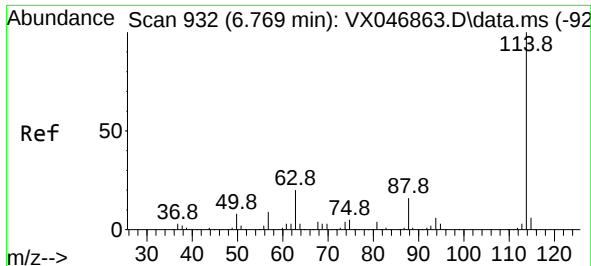
Tgt Ion: 56 Resp: 146832
Ion Ratio Lower Upper
56 100
69 26.4 24.0 36.0
84 81.6 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 47.761 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 65 Resp: 348246
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2

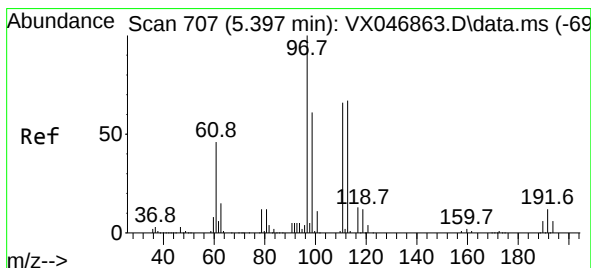
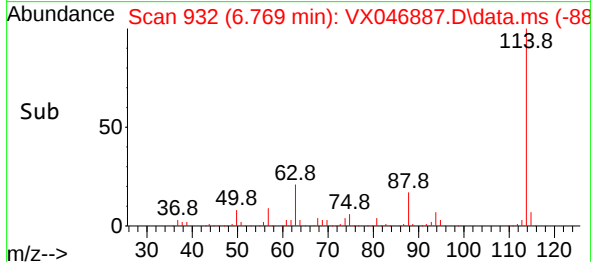
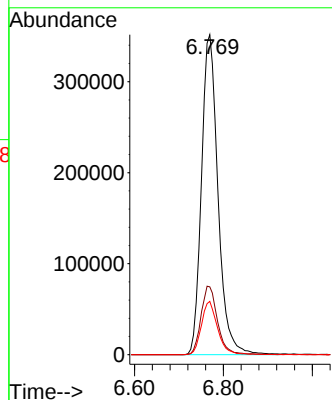
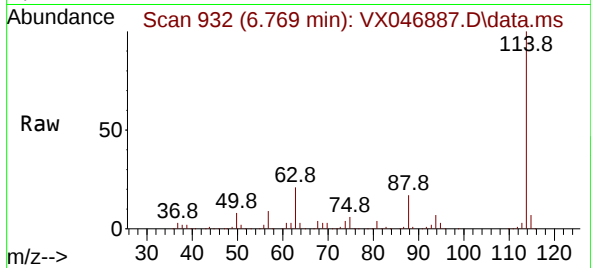




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX046887.D
 Acq: 03 Jul 2025 14:58

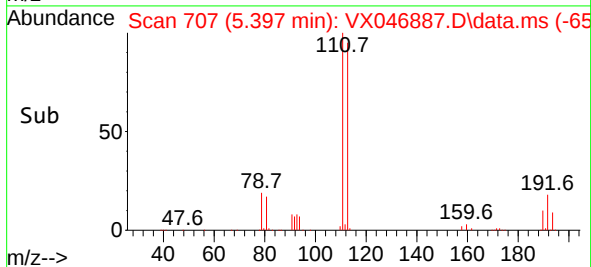
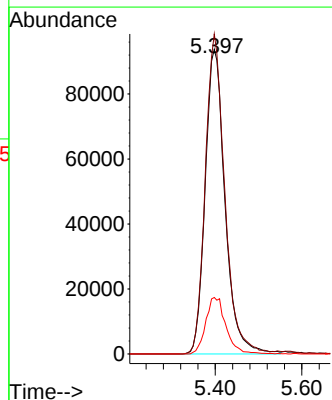
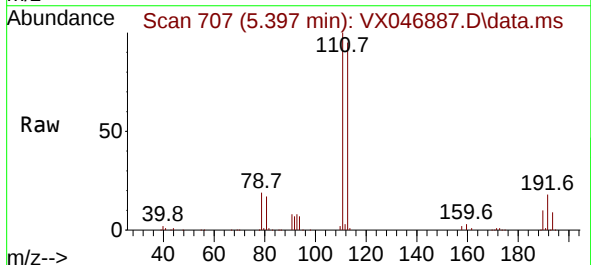
Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3W

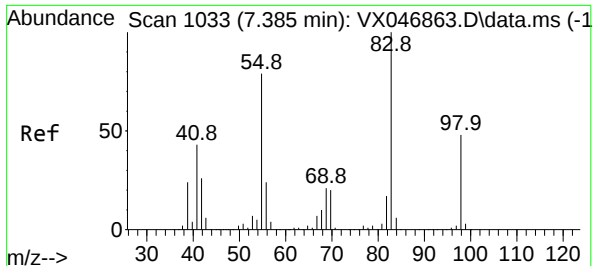
Tgt Ion:114 Resp: 910736
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.4
 88 16.6 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 48.294 ug/l
 RT: 5.397 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VX046887.D
 Acq: 03 Jul 2025 14:58

Tgt Ion:113 Resp: 298561
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.2 121.8
 192 18.9 15.3 22.9





#39

Methylcyclohexane

Concen: 48.913 ug/l

RT: 7.385 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

GCAP3W

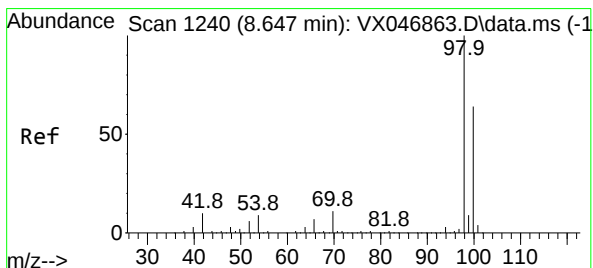
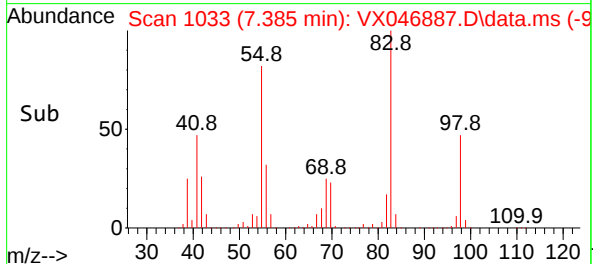
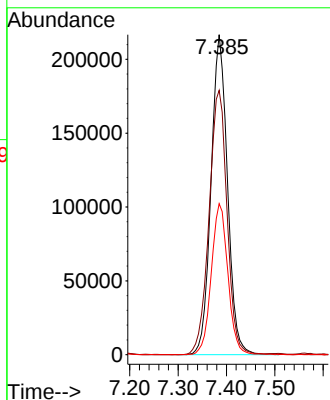
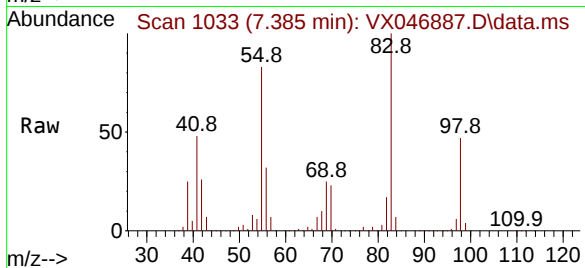
Tgt Ion: 83 Resp: 510352

Ion Ratio Lower Upper

83 100

55 82.6 63.0 94.4

98 47.2 38.5 57.7



#50

Toluene-d8

Concen: 49.257 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046887.D

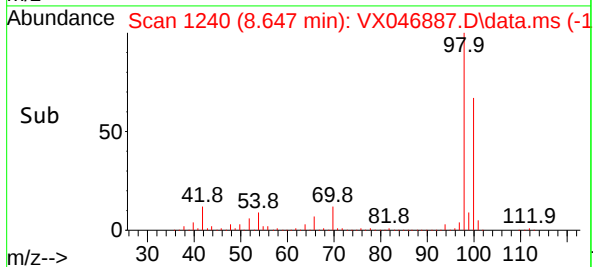
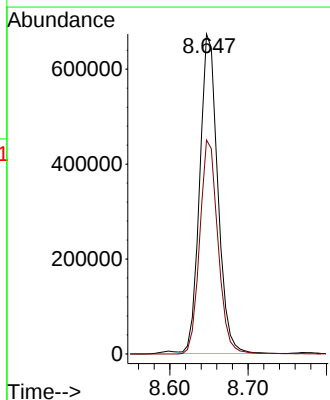
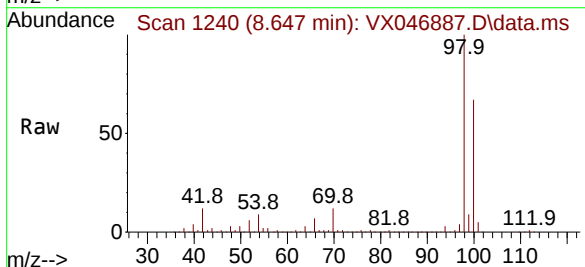
Acq: 03 Jul 2025 14:58

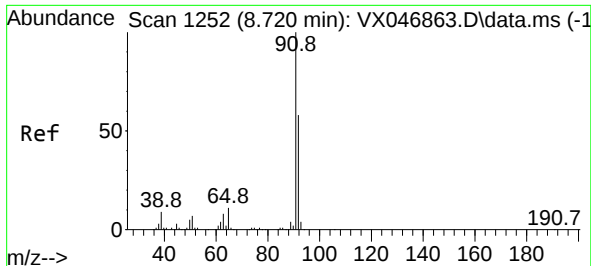
Tgt Ion: 98 Resp: 1074386

Ion Ratio Lower Upper

98 100

100 67.8 53.0 79.6

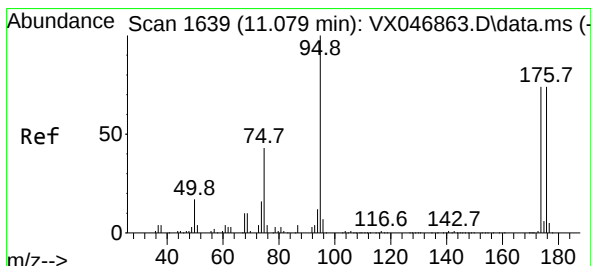
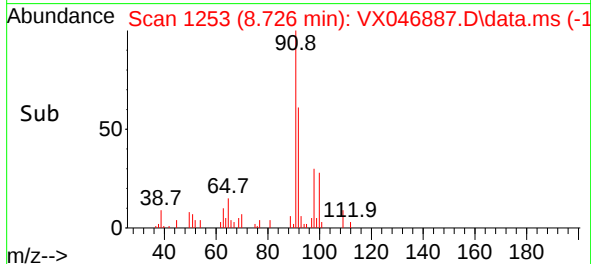
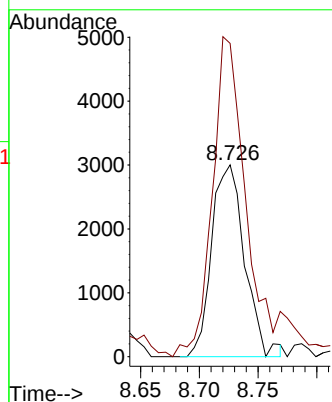
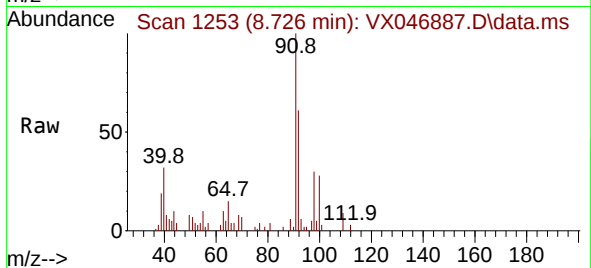




#52
Toluene
Concen: 0.375 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

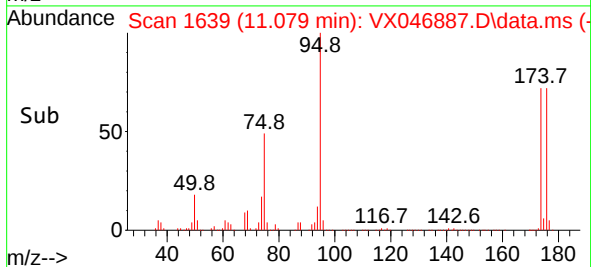
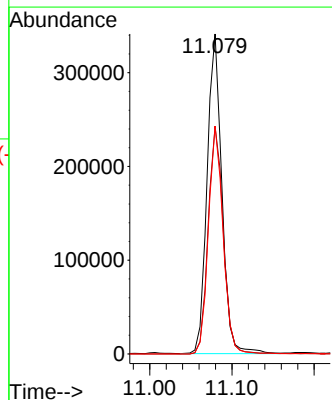
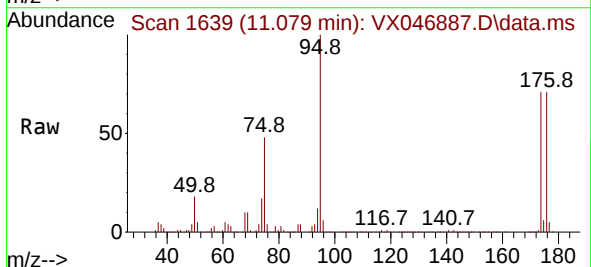
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GCAP3W

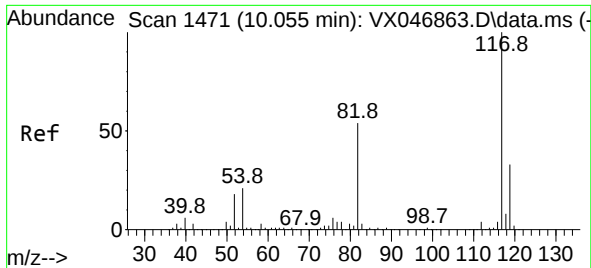
Tgt Ion: 92 Resp: 5856
Ion Ratio Lower Upper
92 100
91 164.9 137.9 206.9



#62
4-Bromofluorobenzene
Concen: 51.261 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 95 Resp: 424937
Ion Ratio Lower Upper
95 100
174 73.4 0.0 152.0
176 70.6 0.0 145.2

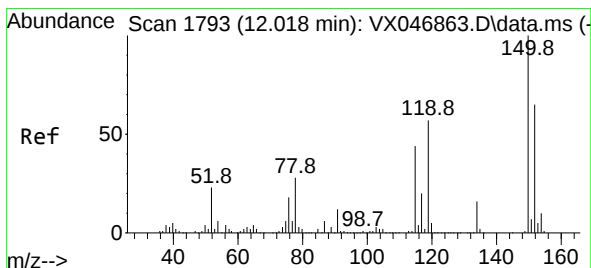
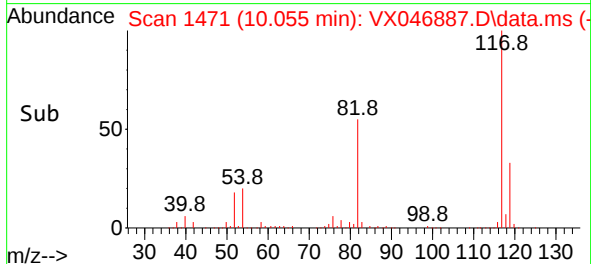
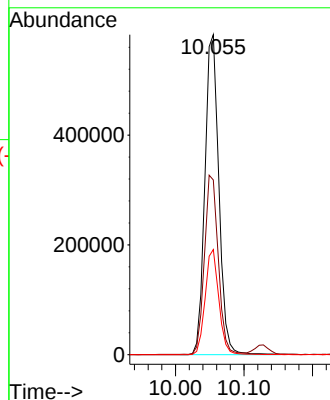
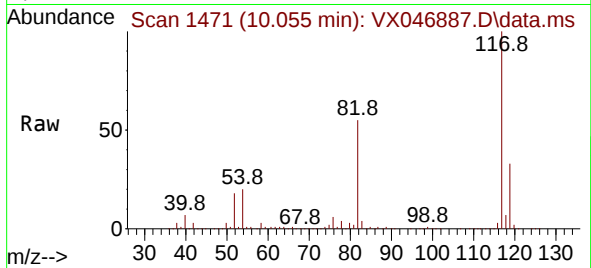




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

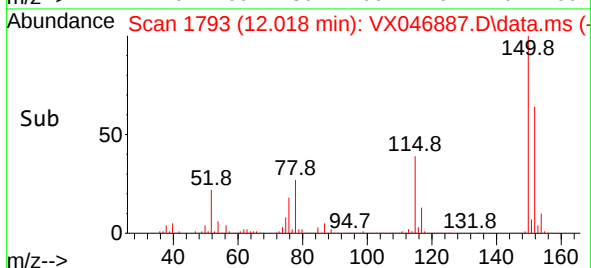
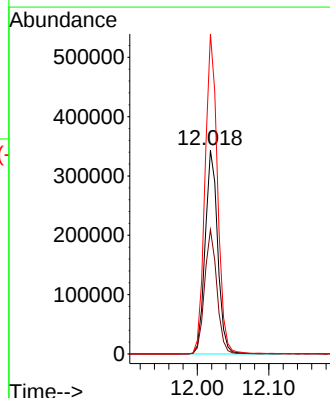
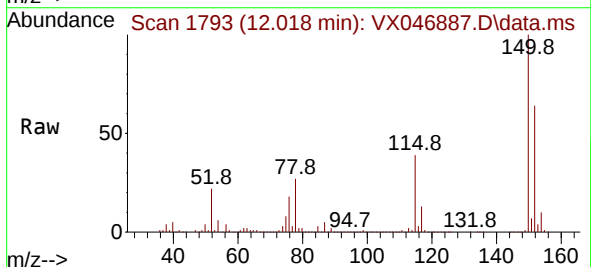
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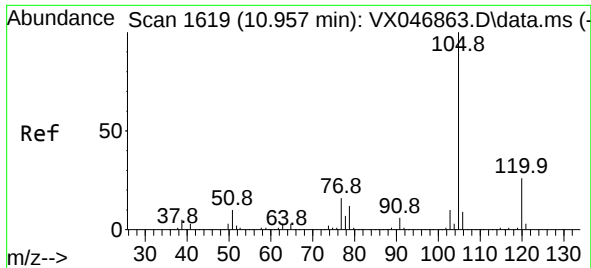
Tgt Ion:117 Resp: 827841
Ion Ratio Lower Upper
117 100
82 54.5 43.3 64.9
119 32.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion:152 Resp: 418170
Ion Ratio Lower Upper
152 100
115 60.1 42.4 127.1
150 157.4 0.0 349.2

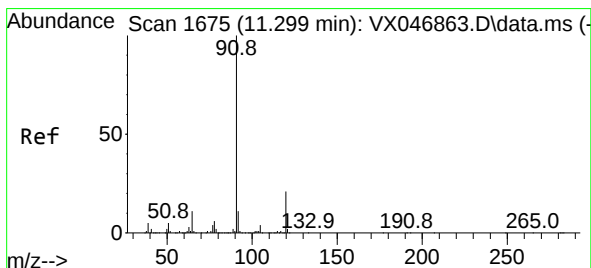
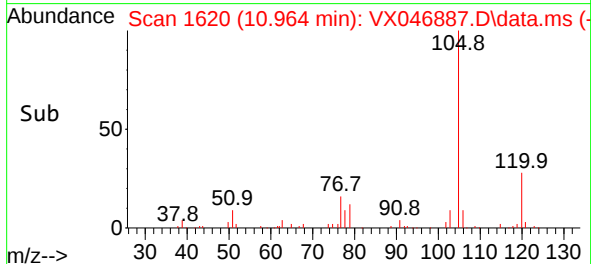
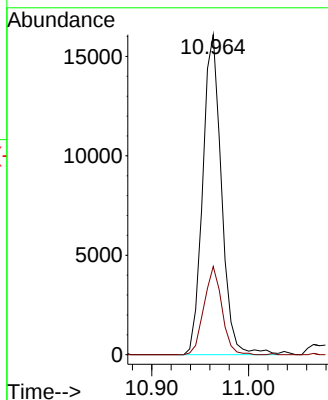
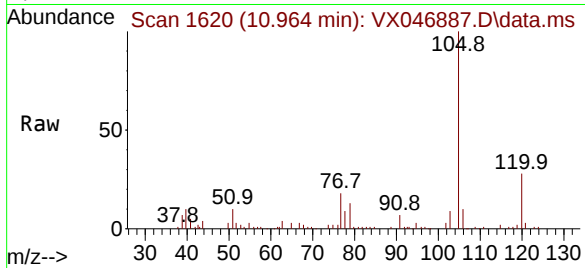




#73
Isopropylbenzene
Concen: 0.740 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

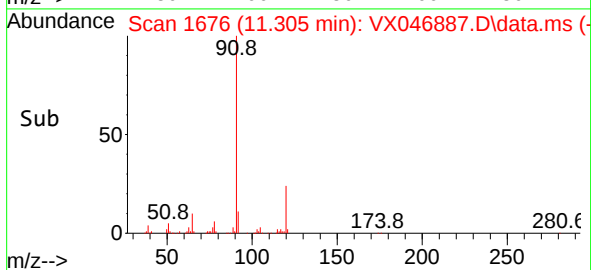
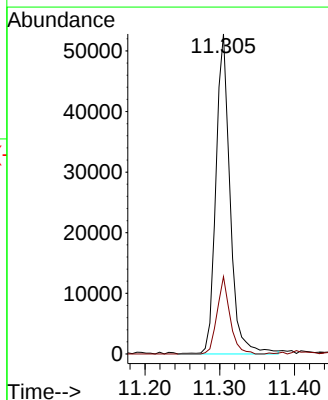
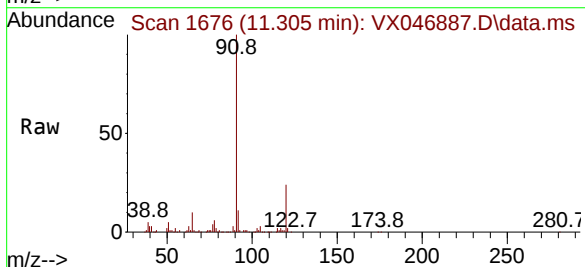
Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

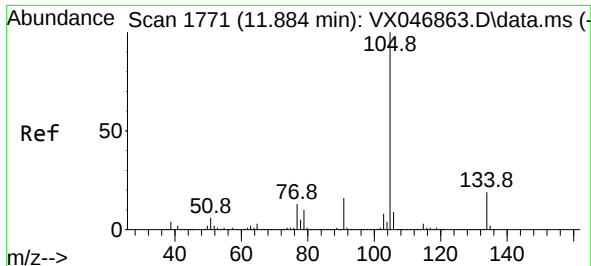
Tgt Ion:105 Resp: 21739
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#78
n-propylbenzene
Concen: 1.963 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 91 Resp: 69597
Ion Ratio Lower Upper
91 100
120 21.9 11.2 33.5

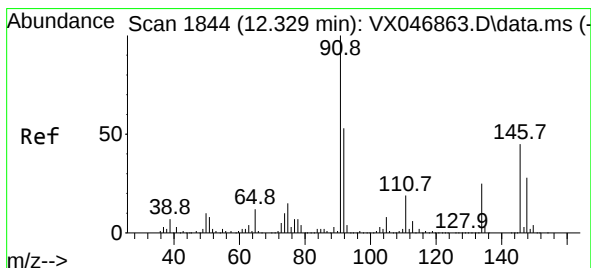
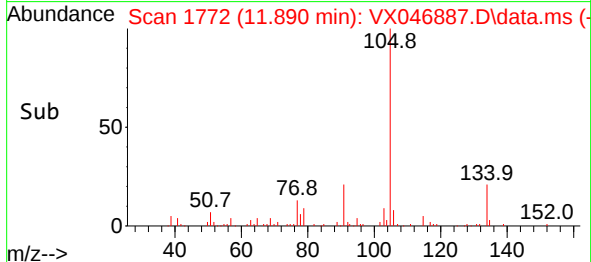
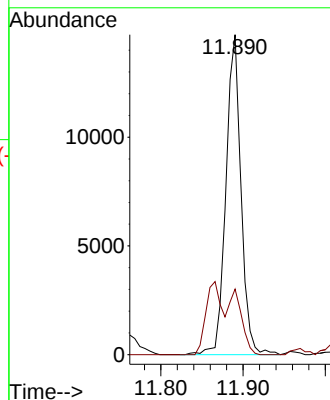
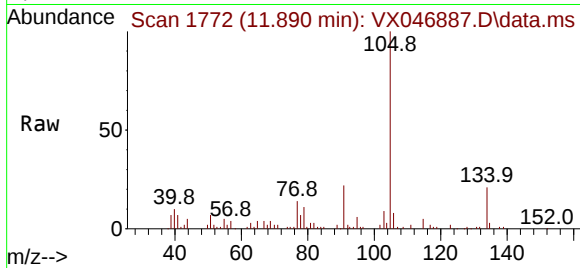




#85
 sec-Butylbenzene
 Concen: 0.605 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX046887.D
 Acq: 03 Jul 2025 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3W

Tgt Ion:105 Resp: 18826
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.9 29.7



#89
 n-Butylbenzene
 Concen: 0.948 ug/l
 RT: 12.329 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: VX046887.D
 Acq: 03 Jul 2025 14:58

Tgt Ion: 91 Resp: 23191
 Ion Ratio Lower Upper
 91 100
 92 47.3 27.0 81.0
 134 24.2 12.8 38.4

