

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035041.D
 Acq On : 12 Apr 2023 13:02
 Operator : JC/MD
 Sample : 02268-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50002-TOTE

Quant Time: Apr 13 02:32:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

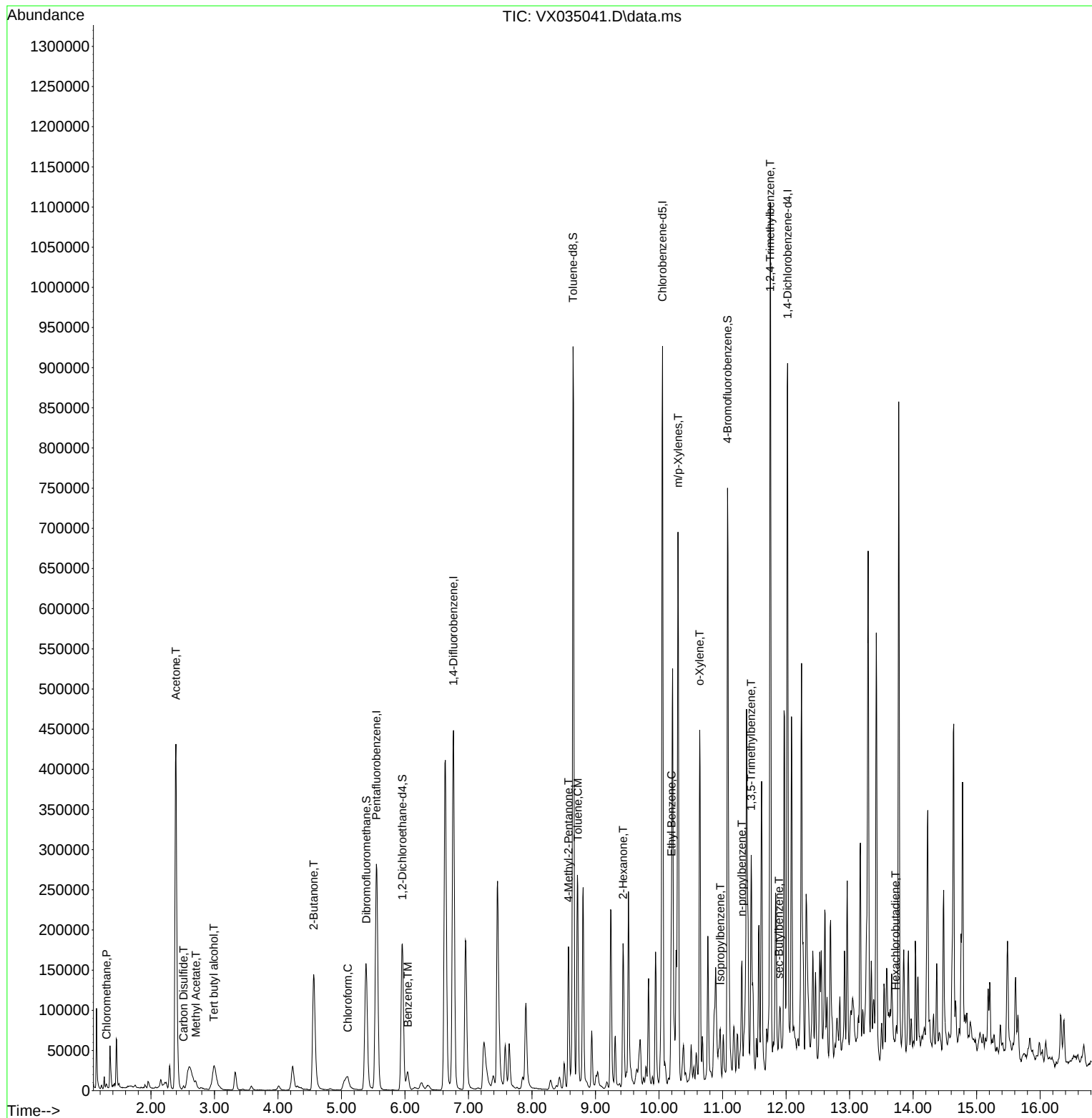
Internal Standards						
1) Pentafluorobenzene	5.550	168	258950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	449427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180556	45.592	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.180%
35) Dibromofluoromethane	5.391	113	137991	46.421	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.840%
50) Toluene-d8	8.647	98	537343	48.974	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.940%
62) 4-Bromofluorobenzene	11.079	95	202026	47.581	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	4493	1.389	ug/l	95
11) Tert butyl alcohol	2.989	59	69432	99.925	ug/l	99
16) Acetone	2.392	43	569444	353.957	ug/l	98
17) Carbon Disulfide	2.514	76	5257	0.790	ug/l	96
18) Methyl Acetate	2.709	43	8327	1.457	ug/l #	86
25) 2-Butanone	4.562	43	267822	114.444	ug/l	96
30) Chloroform	5.099	83	10221	1.780	ug/l	95
40) Benzene	6.044	78	26778	2.118	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	111810	24.522	ug/l	96
52) Toluene	8.720	92	74138	8.994	ug/l	99
59) 2-Hexanone	9.433	43	92993	26.965	ug/l	96
67) Ethyl Benzene	10.195	91	100674	6.814	ug/l	96
68) m/p-Xylenes	10.299	106	150723	26.707	ug/l	100
69) o-Xylene	10.640	106	89744	16.233	ug/l	98
73) Isopropylbenzene	10.963	105	20732	1.636	ug/l	97
78) n-propylbenzene	11.305	91	65139	4.450	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	95094	8.976	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	402351	37.347	ug/l	99
85) sec-Butylbenzene	11.890	105	14667	1.212	ug/l	86
94) Hexachlorobutadiene	13.725	225	444	0.312	ug/l	96

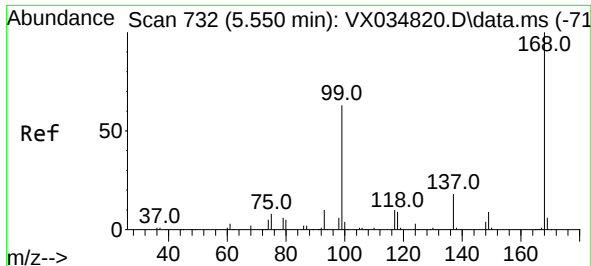
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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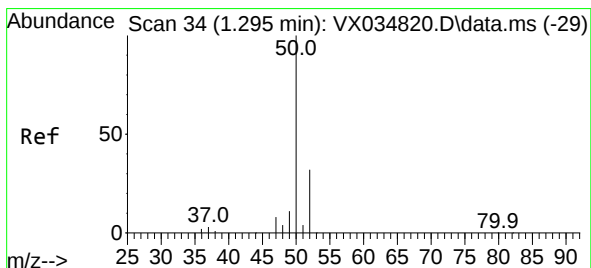
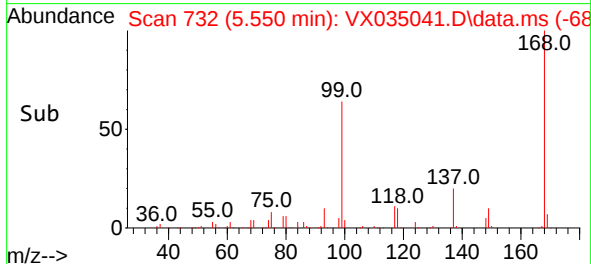
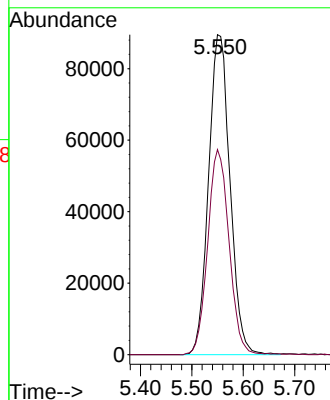
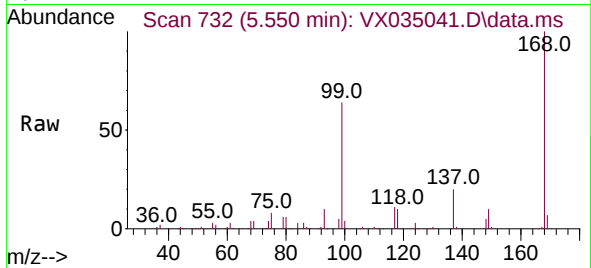




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

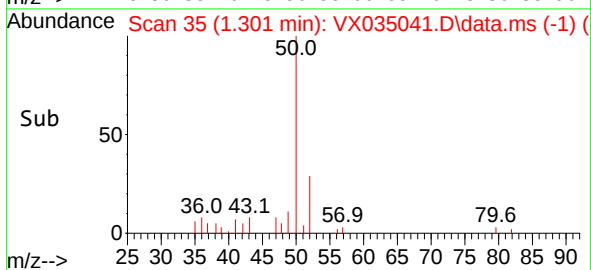
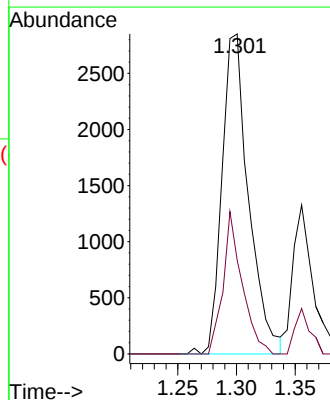
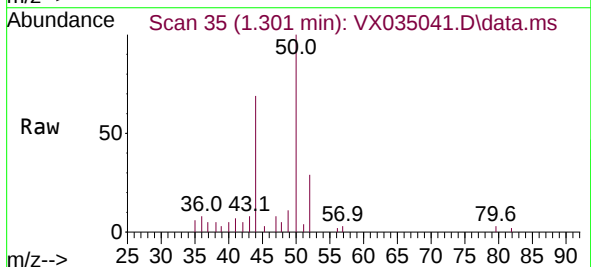
Instrument :
MSVOA_X
ClientSampleId :
50002-TOTE

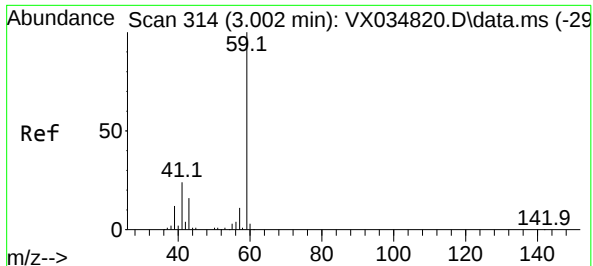
Tgt Ion:168 Resp: 258950
Ion Ratio Lower Upper
168 100
99 64.1 45.7 68.5



#3
Chloromethane
Concen: 1.389 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

Tgt Ion: 50 Resp: 4493
Ion Ratio Lower Upper
50 100
52 29.4 25.9 38.9

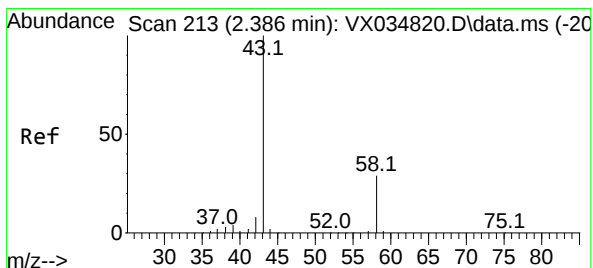
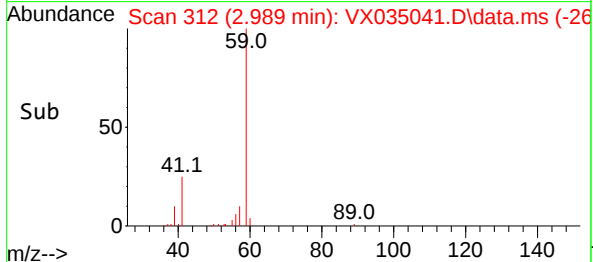
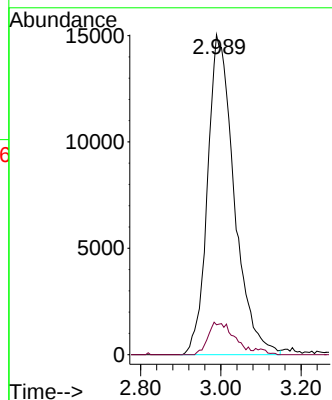
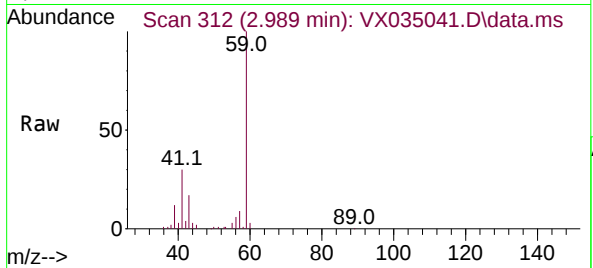




#11
Tert butyl alcohol
Concen: 99.925 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

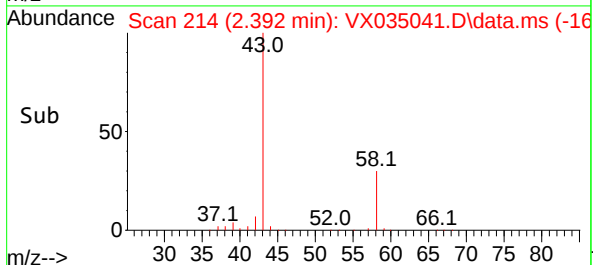
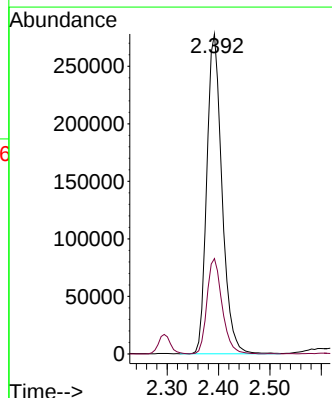
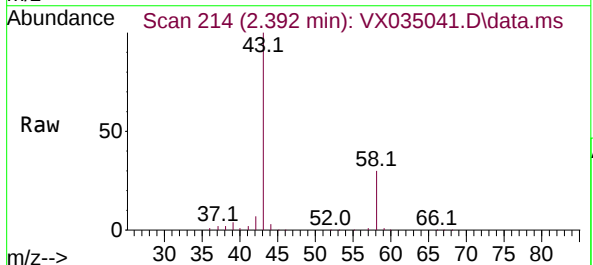
Instrument :
MSVOA_X
ClientSampleId :
50002-TOTE

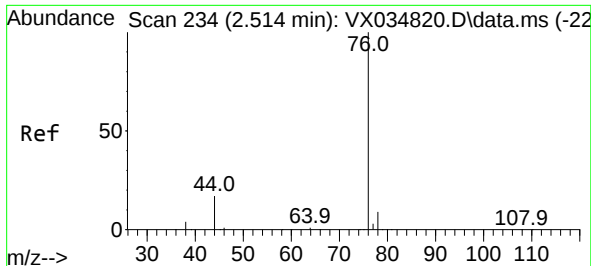
Tgt Ion: 59 Resp: 69432
Ion Ratio Lower Upper
59 100
57 9.8 8.1 12.1



#16
Acetone
Concen: 353.957 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

Tgt Ion: 43 Resp: 569444
Ion Ratio Lower Upper
43 100
58 29.8 24.7 37.1





#17

Carbon Disulfide

Concen: 0.790 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX035041.D

Acq: 12 Apr 2023 13:02

Instrument :

MSVOA_X

ClientSampleId :

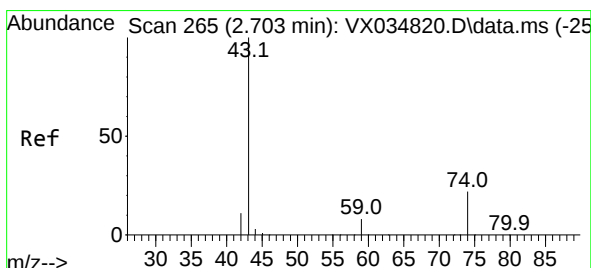
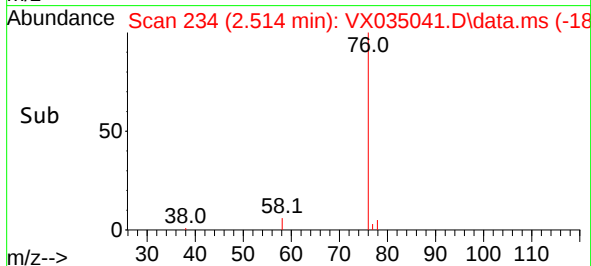
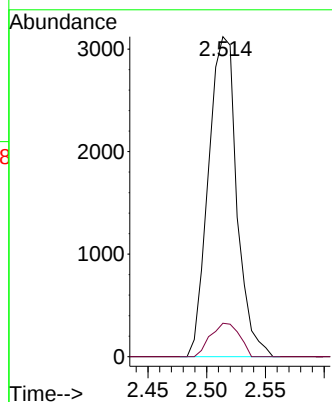
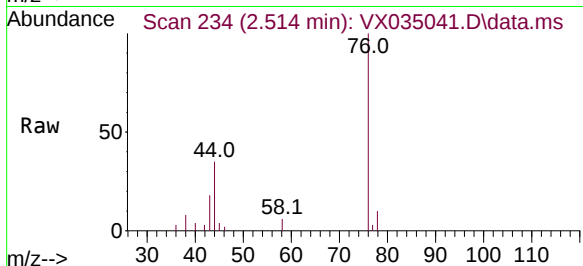
50002-TOTE

Tgt Ion: 76 Resp: 5257

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8



#18

Methyl Acetate

Concen: 1.457 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX035041.D

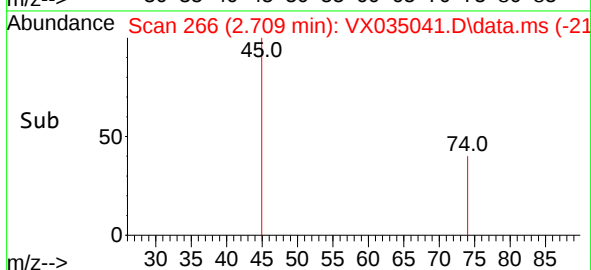
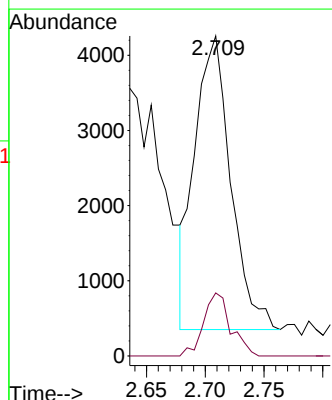
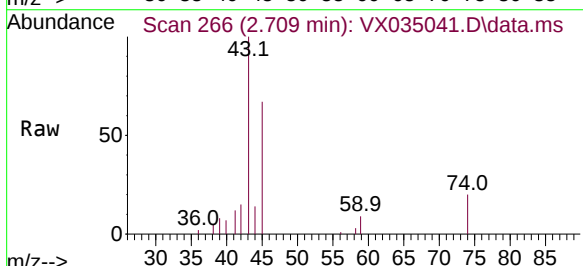
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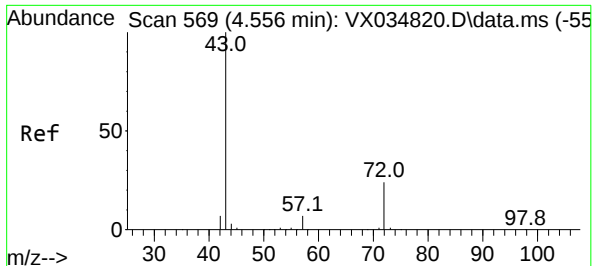
Tgt Ion: 43 Resp: 8327

Ion Ratio Lower Upper

43 100

74 16.1 18.3 27.5#

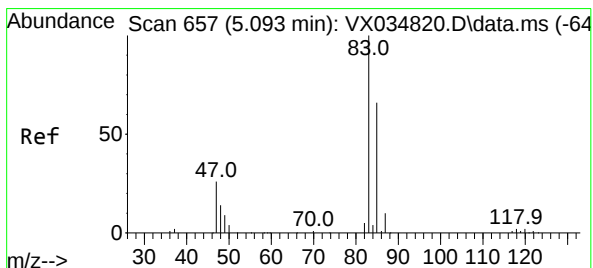
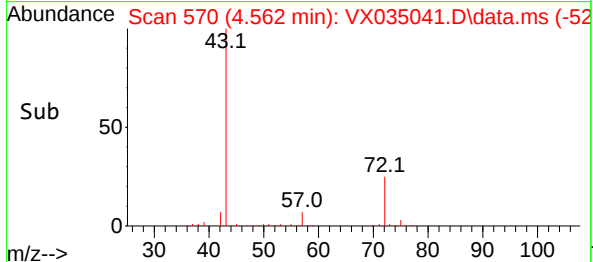
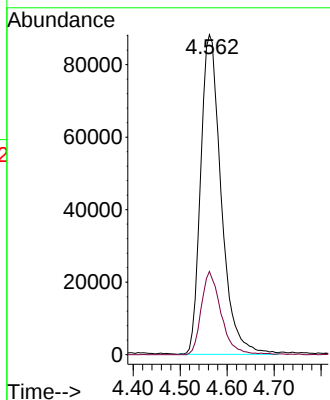
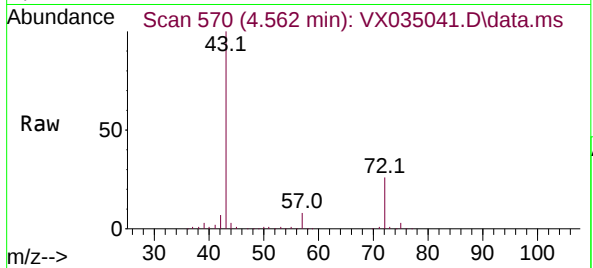




#25
2-Butanone
Concen: 114.444 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

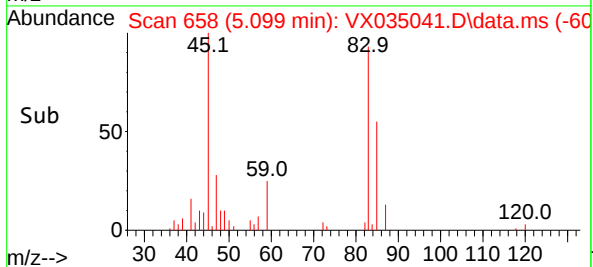
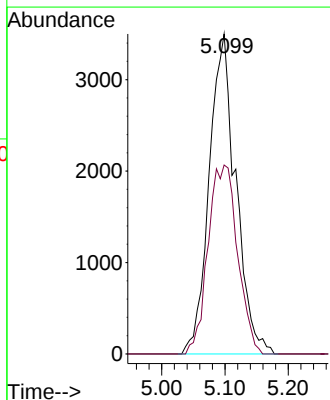
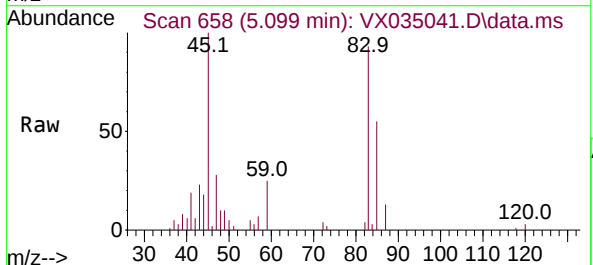
Instrument :
MSVOA_X
ClientSampleId :
50002-TOTE

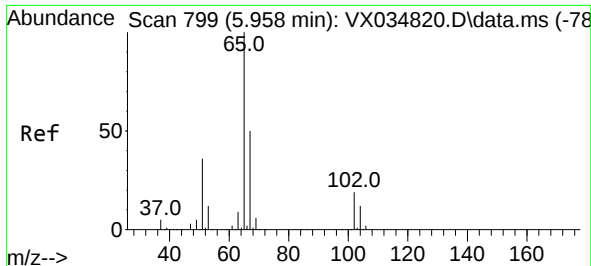
Tgt Ion: 43 Resp: 267822
Ion Ratio Lower Upper
43 100
72 26.1 19.3 28.9



#30
Chloroform
Concen: 1.780 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

Tgt Ion: 83 Resp: 10221
Ion Ratio Lower Upper
83 100
85 59.0 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 45.592 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX035041.D

Acq: 12 Apr 2023 13:02

Instrument :

MSVOA_X

ClientSampleId :

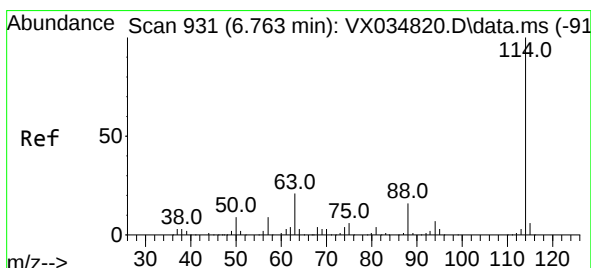
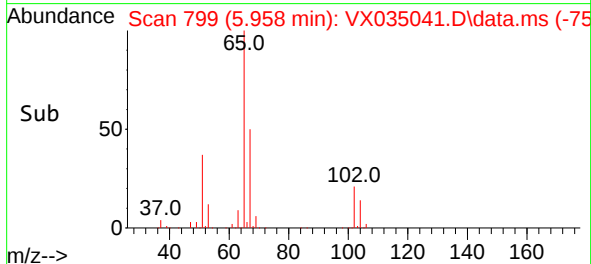
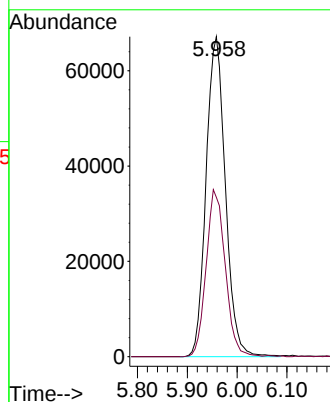
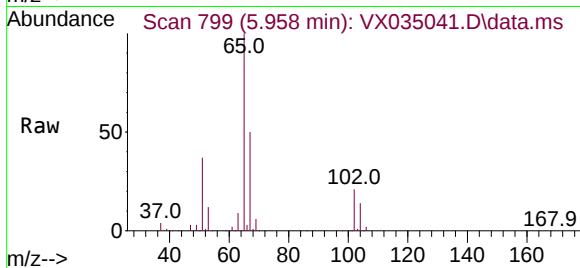
50002-TOTE

Tgt Ion: 65 Resp: 180556

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035041.D

Acq: 12 Apr 2023 13:02

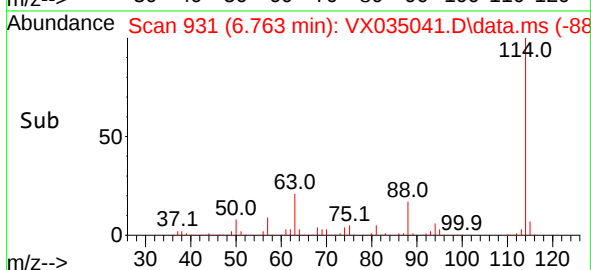
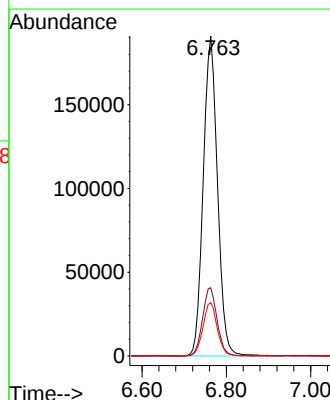
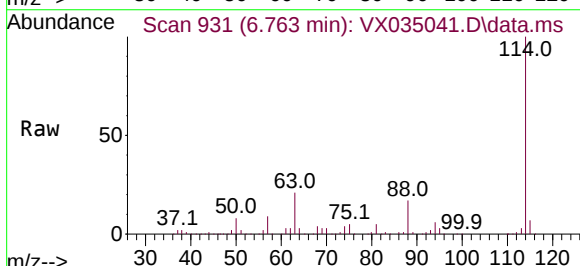
Tgt Ion: 114 Resp: 449427

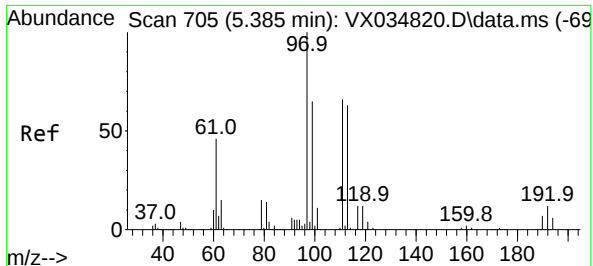
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.2

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.421 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX035041.D

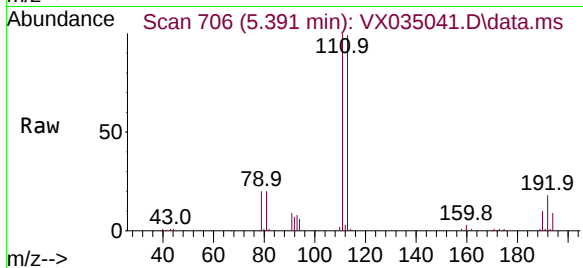
Acq: 12 Apr 2023 13:02

Instrument :

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ClientSampleId :

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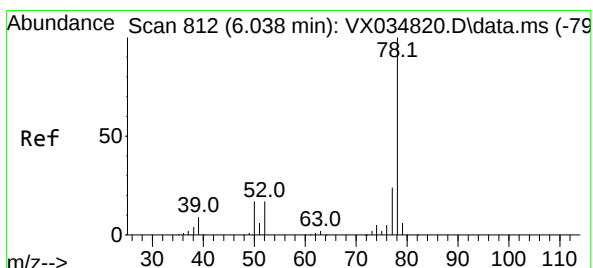
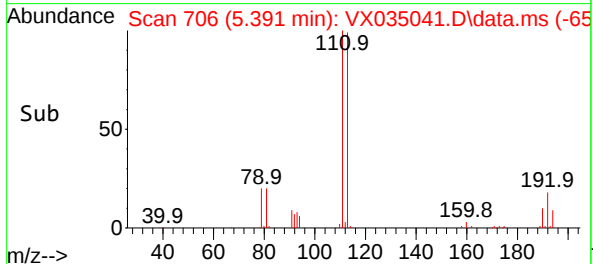
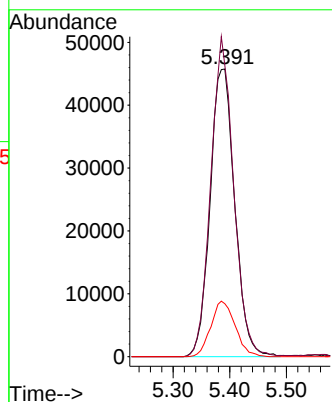
Tgt Ion:113 Resp: 137991

Ion Ratio Lower Upper

113 100

111 103.5 83.7 125.5

192 19.1 15.4 23.2



#40

Benzene

Concen: 2.118 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX035041.D

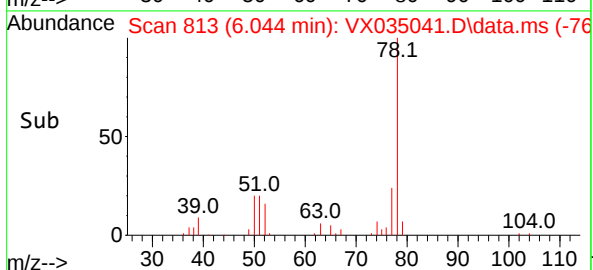
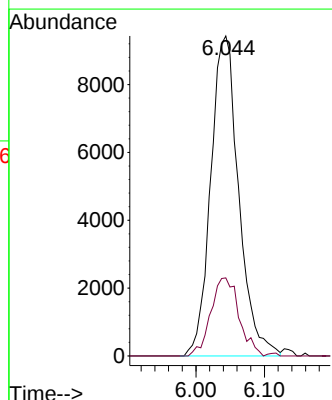
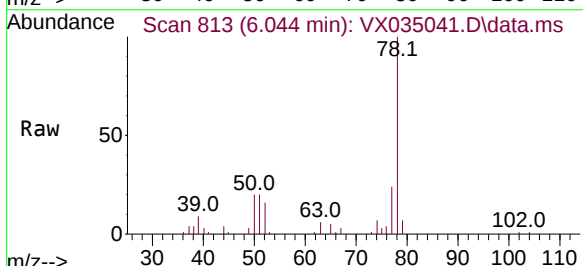
Acq: 12 Apr 2023 13:02

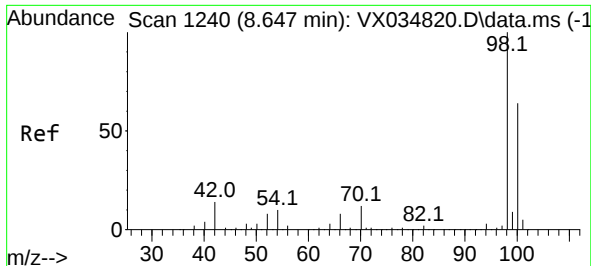
Tgt Ion: 78 Resp: 26778

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.4

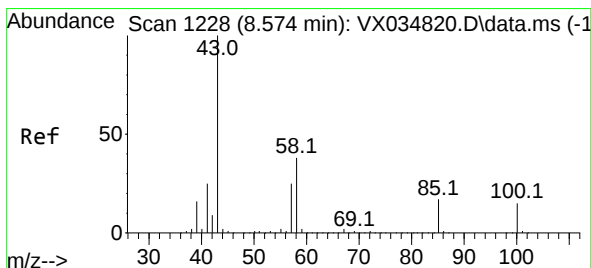
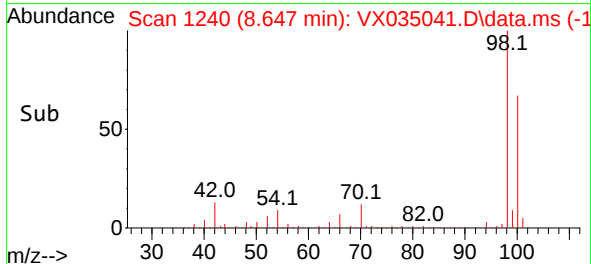
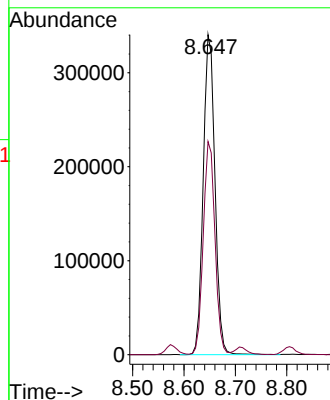
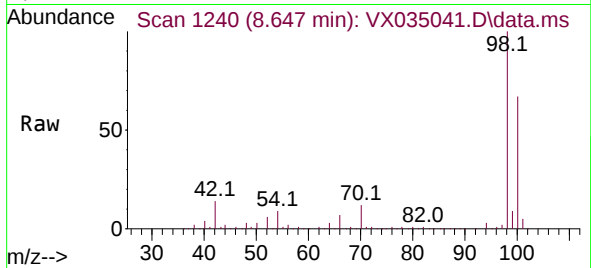




#50
Toluene-d8
Concen: 48.974 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

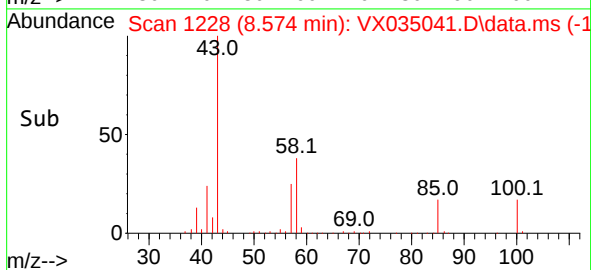
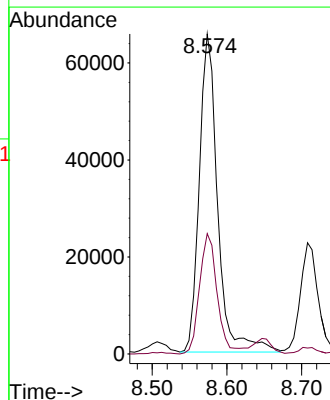
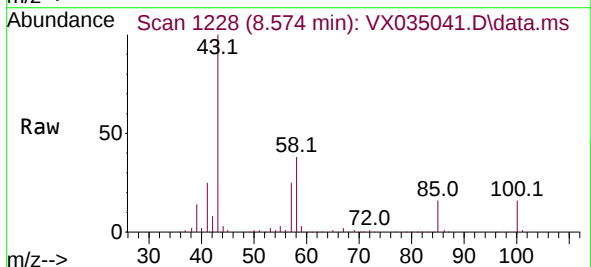
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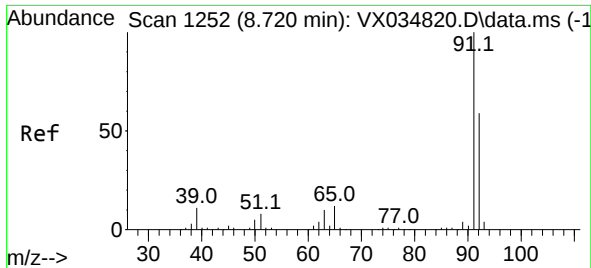
Tgt Ion: 98 Resp: 537343
Ion Ratio Lower Upper
98 100
100 66.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 24.522 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

Tgt Ion: 43 Resp: 111810
Ion Ratio Lower Upper
43 100
58 36.2 30.6 46.0





#52

Toluene

Concen: 8.994 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035041.D

Acq: 12 Apr 2023 13:02

Instrument :

MSVOA_X

ClientSampleId :

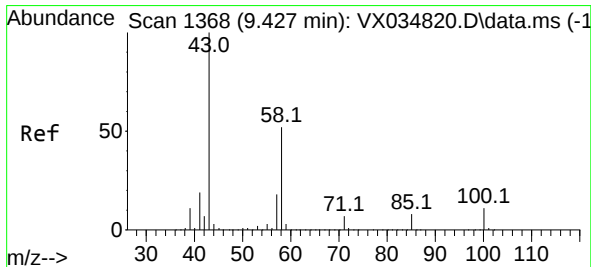
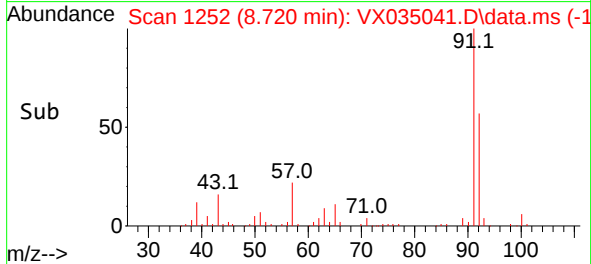
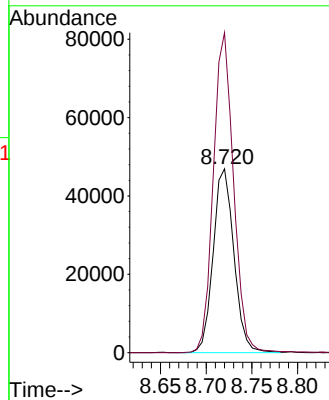
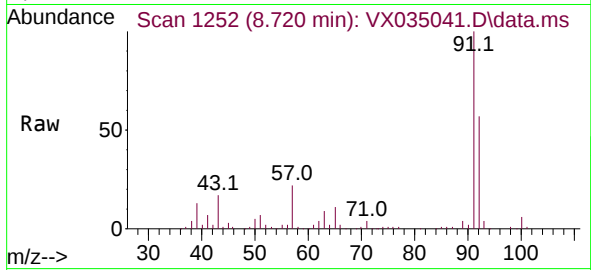
50002-TOTE

Tgt Ion: 92 Resp: 74138

Ion Ratio Lower Upper

92 100

91 170.2 136.8 205.2



#59

2-Hexanone

Concen: 26.965 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX035041.D

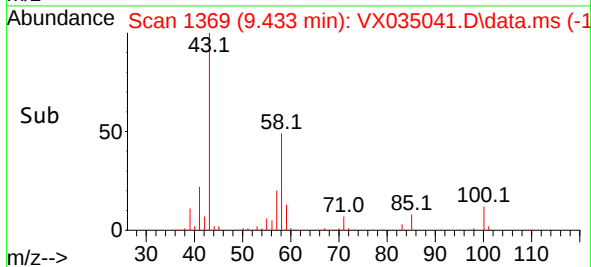
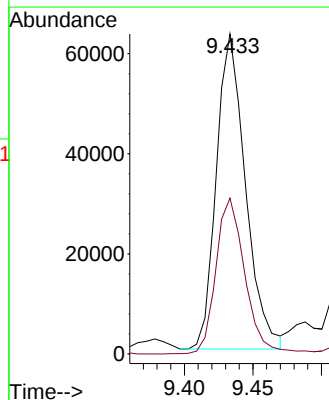
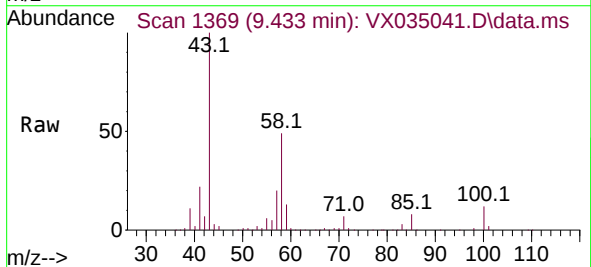
Acq: 12 Apr 2023 13:02

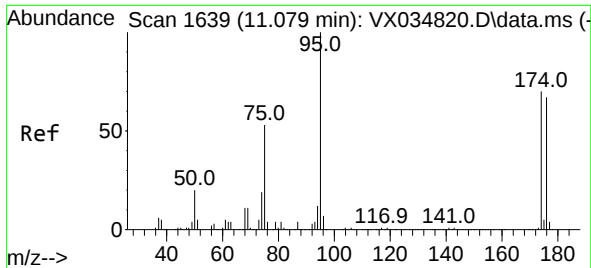
Tgt Ion: 43 Resp: 92993

Ion Ratio Lower Upper

43 100

58 49.6 26.3 78.9

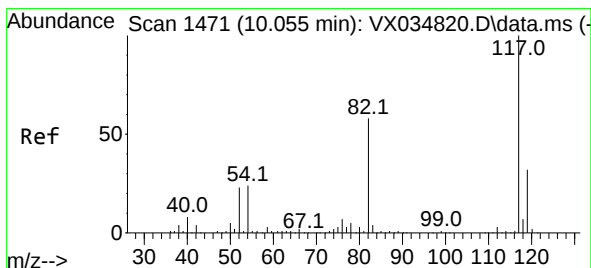
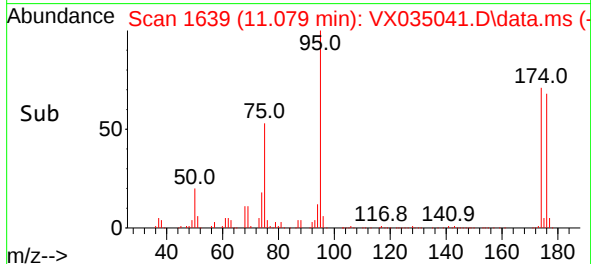
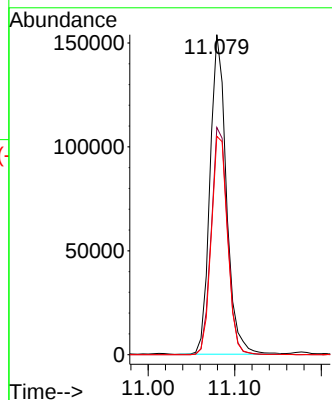
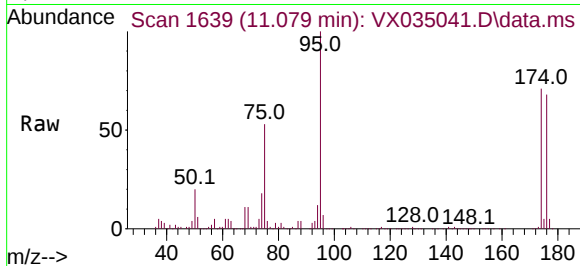




#62
4-Bromofluorobenzene
Concen: 47.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

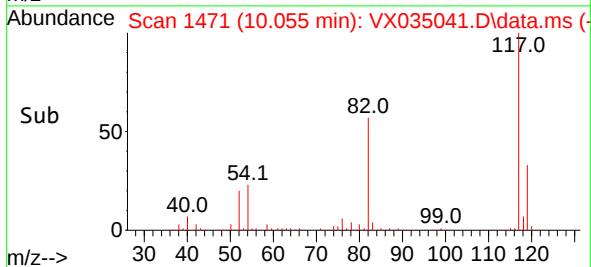
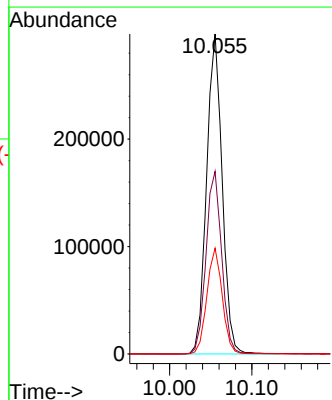
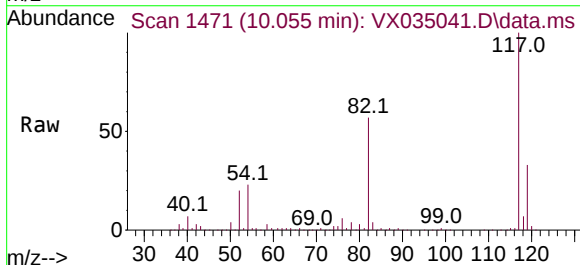
Instrument :
MSVOA_X
ClientSampleId :
50002-TOTE

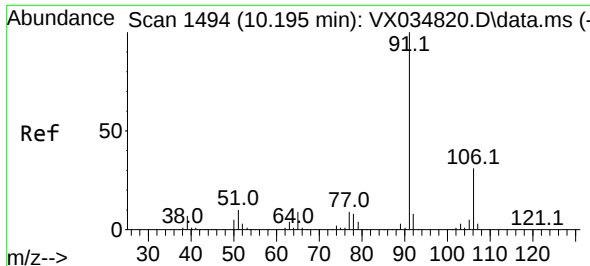
Tgt Ion: 95 Resp: 202026
Ion Ratio Lower Upper
95 100
174 70.7 0.0 147.4
176 68.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

Tgt Ion: 117 Resp: 391969
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 33.0 26.0 39.0





#67

Ethyl Benzene

Concen: 6.814 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX035041.D

Acq: 12 Apr 2023 13:02

Instrument :

MSVOA_X

ClientSampleId :

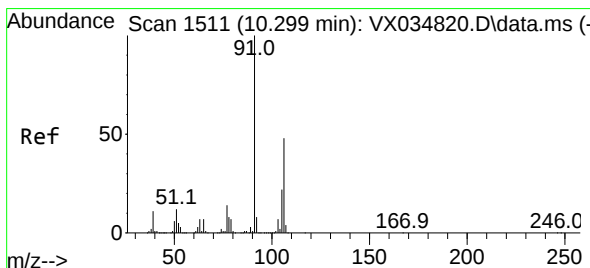
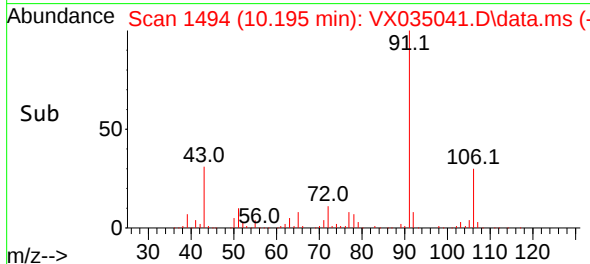
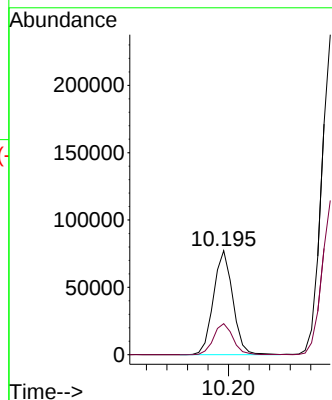
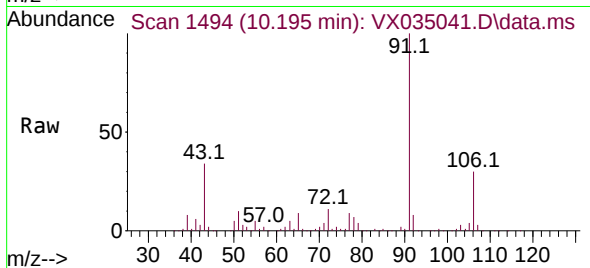
50002-TOTE

Tgt Ion: 91 Resp: 100674

Ion Ratio Lower Upper

91 100

106 29.8 25.6 38.4



#68

m/p-Xylenes

Concen: 26.707 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX035041.D

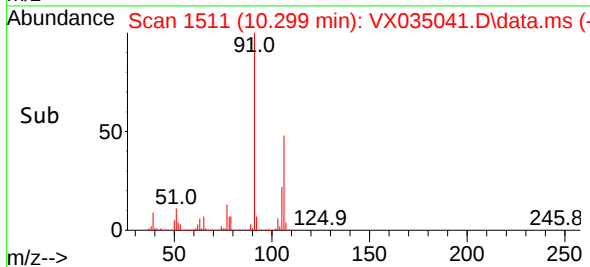
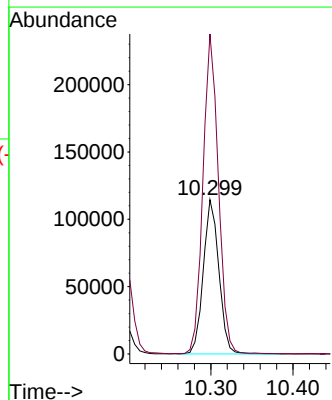
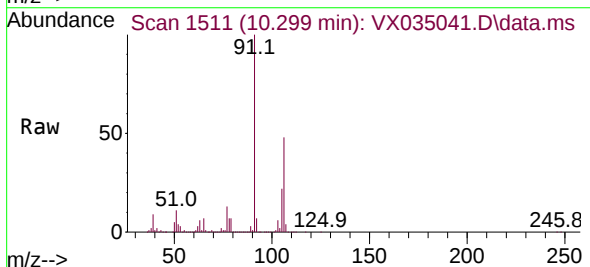
Acq: 12 Apr 2023 13:02

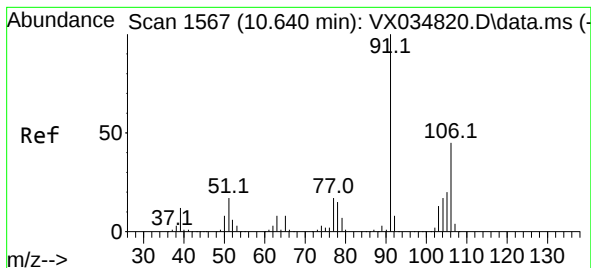
Tgt Ion: 106 Resp: 150723

Ion Ratio Lower Upper

106 100

91 205.7 164.0 246.0

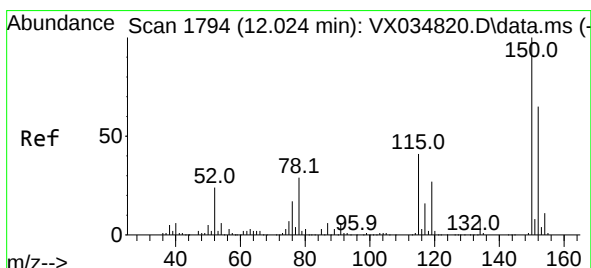
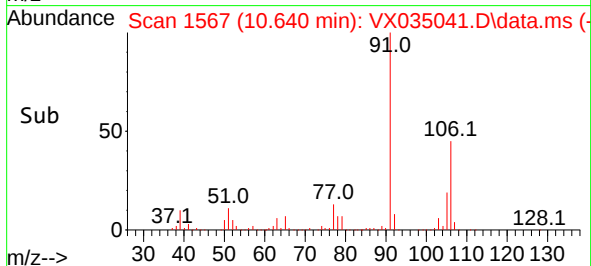
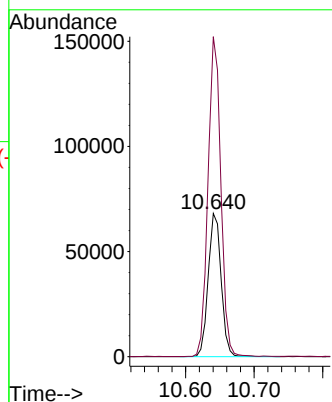
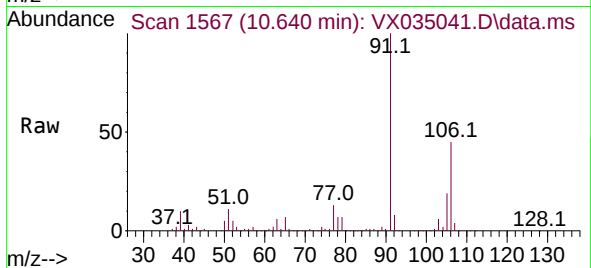




#69
o-Xylene
Concen: 16.233 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

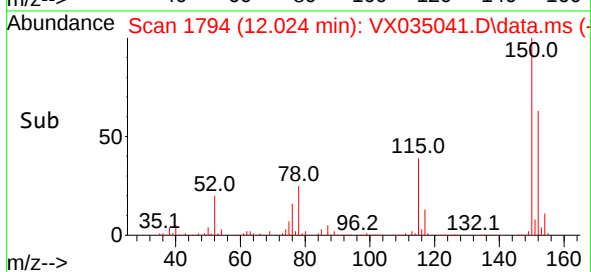
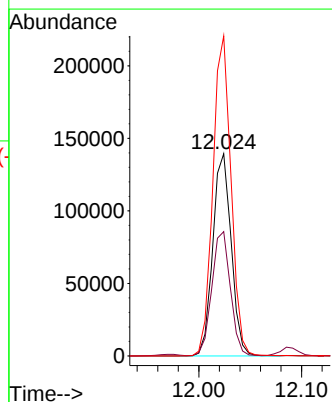
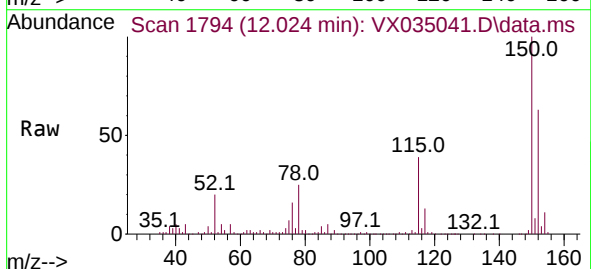
Instrument :
MSVOA_X
ClientSampleId :
50002-TOTE

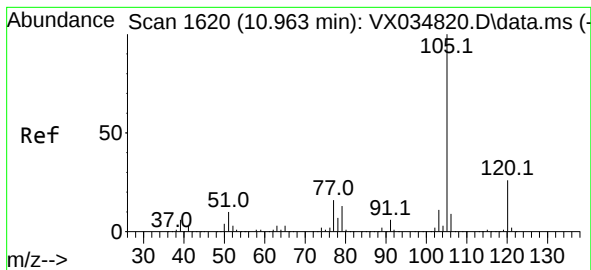
Tgt Ion:106 Resp: 89744
Ion Ratio Lower Upper
106 100
91 220.6 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035041.D
Acq: 12 Apr 2023 13:02

Tgt Ion:152 Resp: 172976
Ion Ratio Lower Upper
152 100
115 61.7 45.0 135.0
150 156.1 0.0 352.4





#73

Isopropylbenzene

Concen: 1.636 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035041.D

Acq: 12 Apr 2023 13:02

Instrument :

MSVOA_X

ClientSampleId :

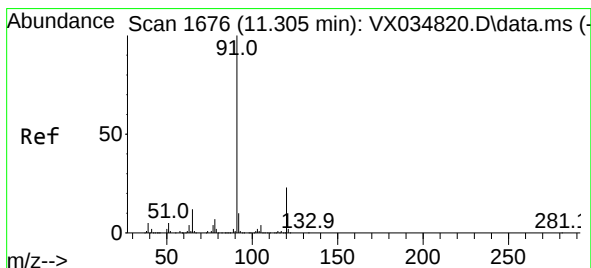
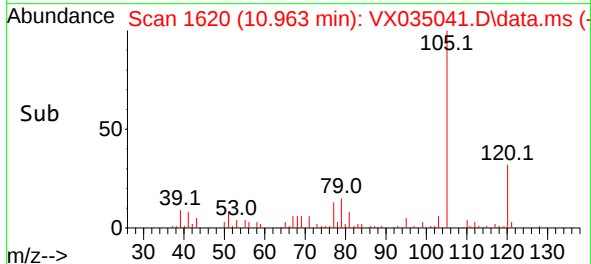
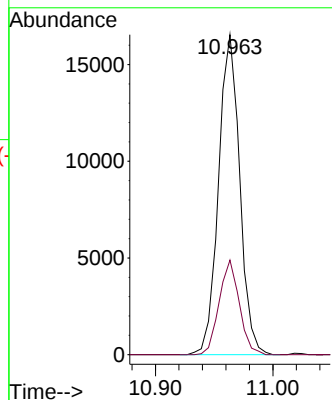
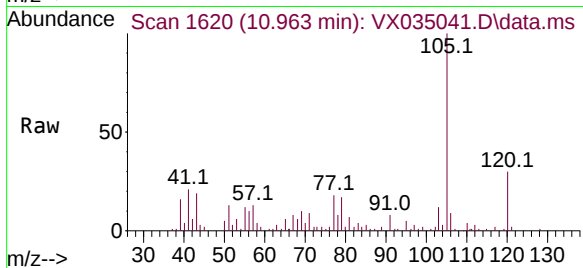
50002-TOTE

Tgt Ion:105 Resp: 20732

Ion Ratio Lower Upper

105 100

120 28.2 13.3 39.9



#78

n-propylbenzene

Concen: 4.450 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX035041.D

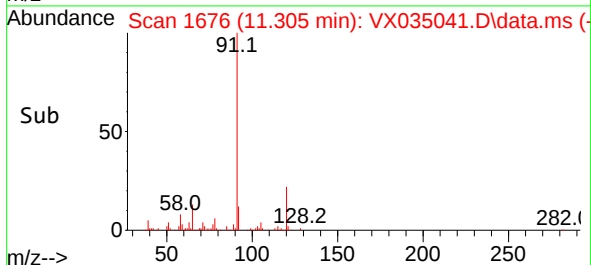
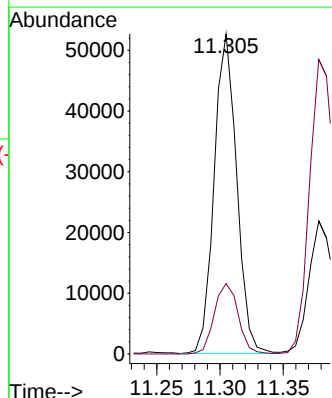
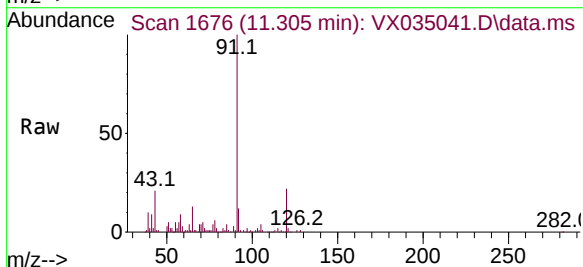
Acq: 12 Apr 2023 13:02

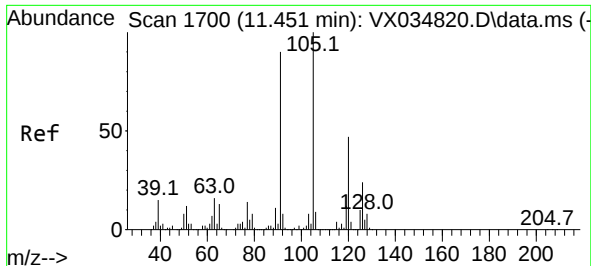
Tgt Ion: 91 Resp: 65139

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5

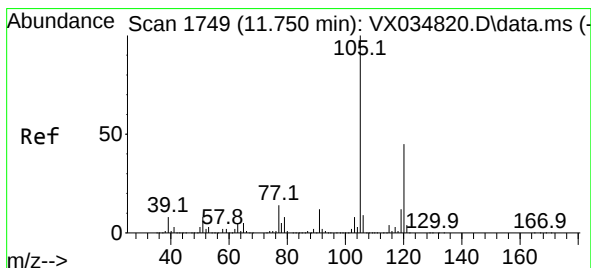
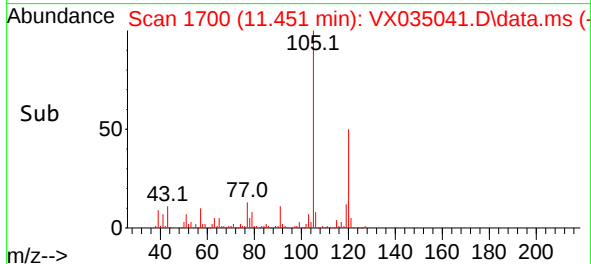
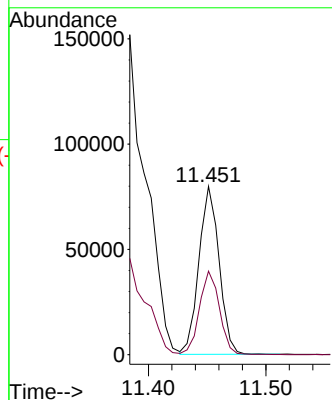
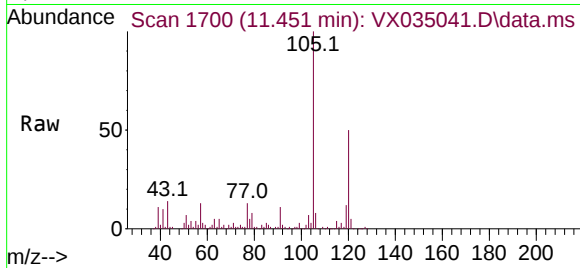




#80
 1,3,5-Trimethylbenzene
 Concen: 8.976 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX035041.D
 Acq: 12 Apr 2023 13:02

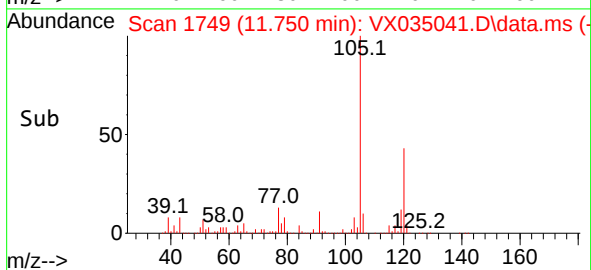
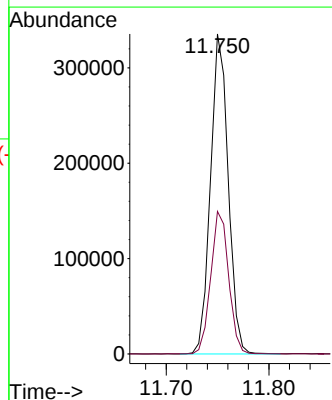
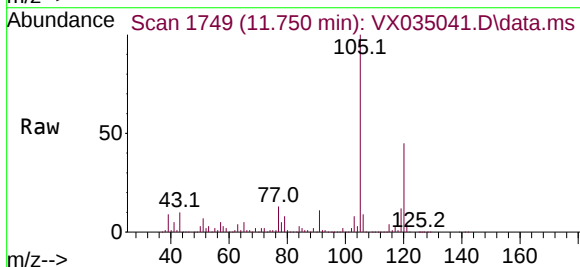
Instrument :
 MSVOA_X
 ClientSampleId :
 50002-TOTE

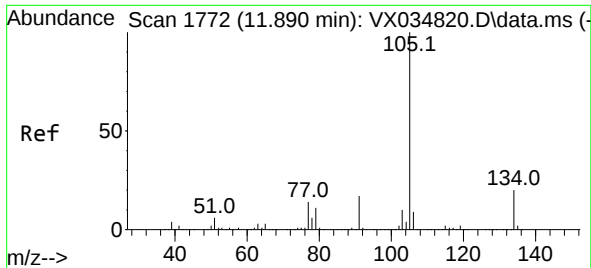
Tgt Ion:105 Resp: 95094
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 37.347 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX035041.D
 Acq: 12 Apr 2023 13:02

Tgt Ion:105 Resp: 402351
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.0

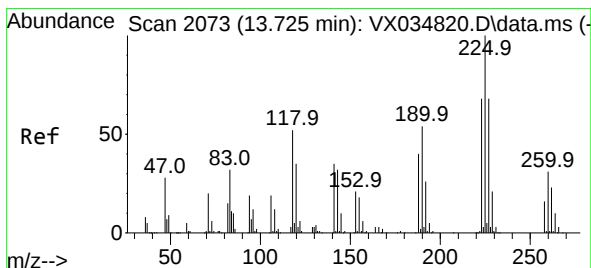
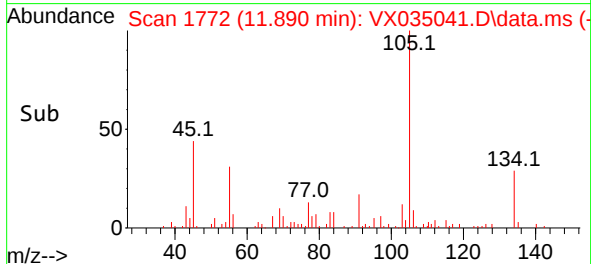
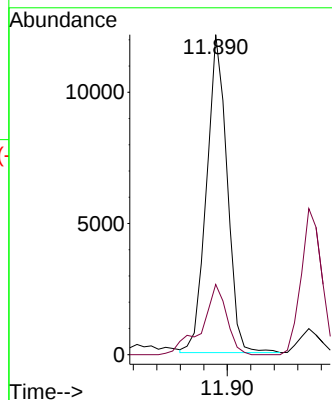
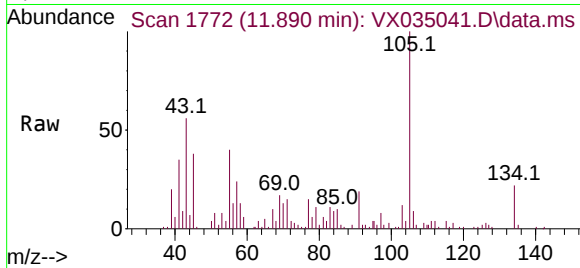




#85
 sec-Butylbenzene
 Concen: 1.212 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035041.D
 Acq: 12 Apr 2023 13:02

Instrument :
 MSVOA_X
 ClientSampleId :
 50002-TOTE

Tgt Ion:105 Resp: 14667
 Ion Ratio Lower Upper
 105 100
 134 26.8 10.2 30.4



#94
 Hexachlorobutadiene
 Concen: 0.312 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX035041.D
 Acq: 12 Apr 2023 13:02

Tgt Ion:225 Resp: 444
 Ion Ratio Lower Upper
 225 100
 223 68.5 32.1 96.5
 227 61.7 31.8 95.4

