

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036873.D
 Acq On : 08 Aug 2023 18:51
 Operator : JC/MD
 Sample : 03880-01ME
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1272ME

Quant Time: Aug 09 04:19:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

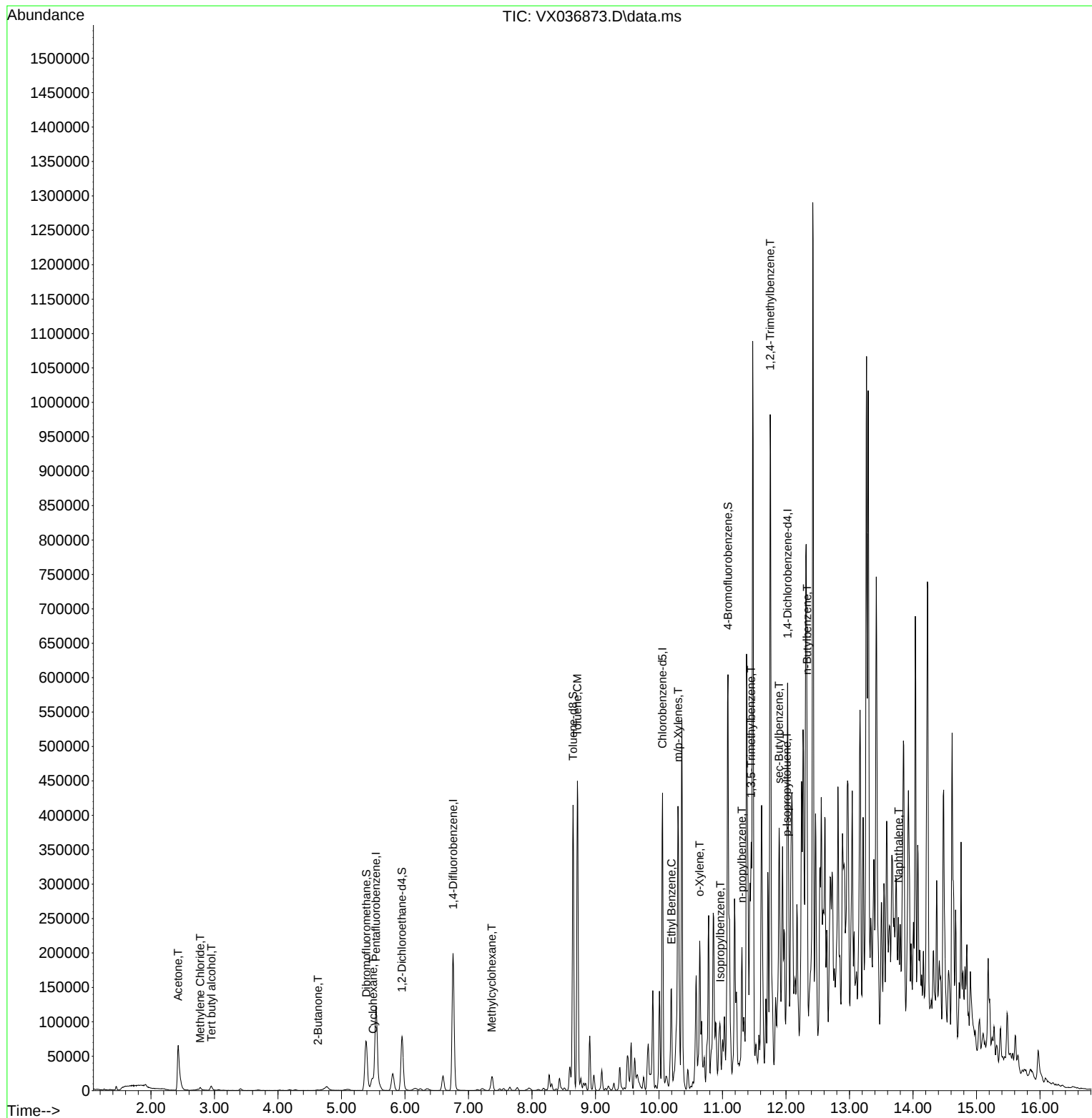
Internal Standards						
1) Pentafluorobenzene	5.544	168	111719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76720	46.411	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.820%		
35) Dibromofluoromethane	5.391	113	63555	45.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.440%		
50) Toluene-d8	8.647	98	241348	48.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.860%		
62) 4-Bromofluorobenzene	11.085	95	101567	54.017	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.040%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	3990	10.195	ug/l #	80
16) Acetone	2.428	43	99029	144.367	ug/l	92
20) Methylene Chloride	2.776	84	1854	1.215	ug/l #	81
25) 2-Butanone	4.629	43	2041m	1.834	ug/l	
31) Cyclohexane	5.495	56	5036	2.200	ug/l #	46
39) Methylcyclohexane	7.367	83	9675	3.715	ug/l	95
52) Toluene	8.714	92	173868	45.532	ug/l	99
67) Ethyl Benzene	10.195	91	69868	9.035	ug/l	98
68) m/p-Xylenes	10.299	106	86781	30.078	ug/l	99
69) o-Xylene	10.640	106	44490	15.448	ug/l	99
73) Isopropylbenzene	10.964	105	29030	3.630	ug/l	99
78) n-propylbenzene	11.305	91	111208	12.025	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	104429	15.610	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	386785	57.812	ug/l	95
85) sec-Butylbenzene	11.890	105	46368	5.657	ug/l	85
86) p-Isopropyltoluene	12.012	119	25251	3.744	ug/l	100
89) n-Butylbenzene	12.329	91	106074	17.570	ug/l #	56
95) Naphthalene	13.774	128	48282	6.909	ug/l #	92

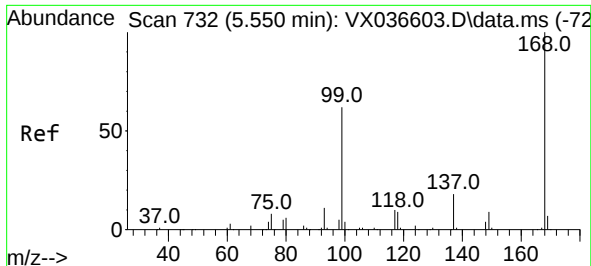
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

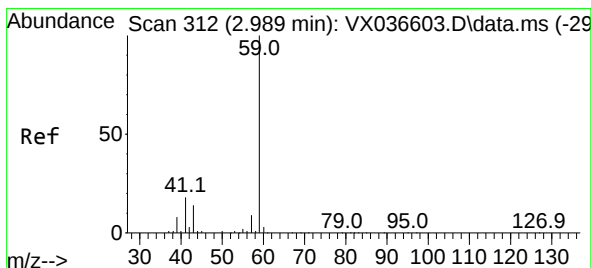
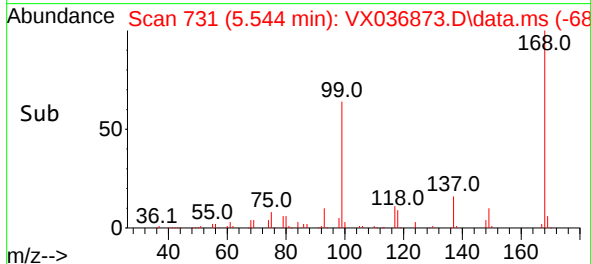
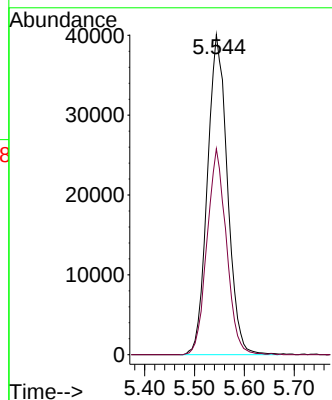
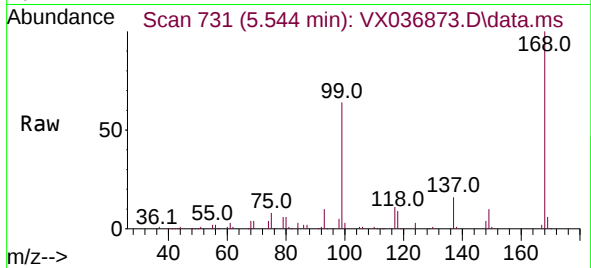




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

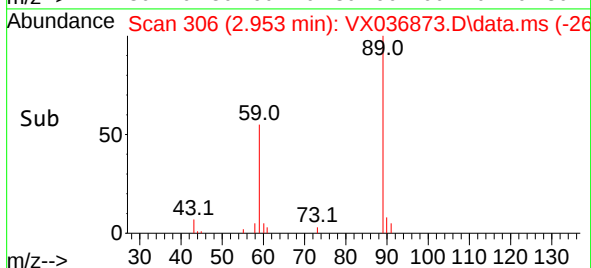
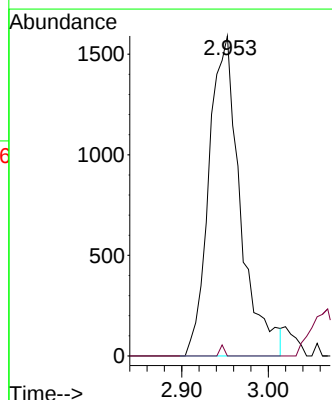
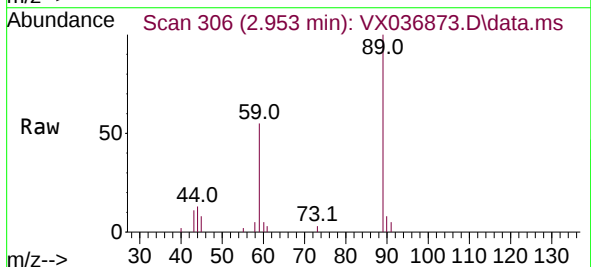
Instrument :
MSVOA_X
ClientSampleId :
1272ME

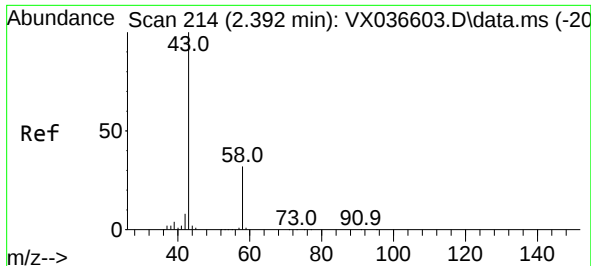
Tgt Ion:168 Resp: 111719
Ion Ratio Lower Upper
168 100
99 64.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 10.195 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 59 Resp: 3990
Ion Ratio Lower Upper
59 100
57 0.5 6.0 9.0#

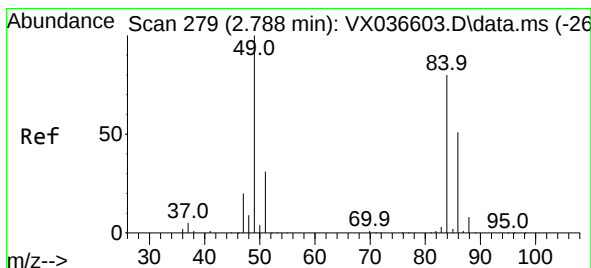
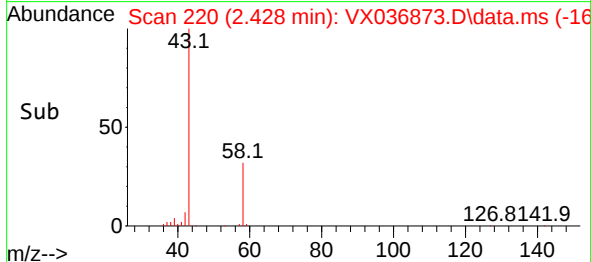
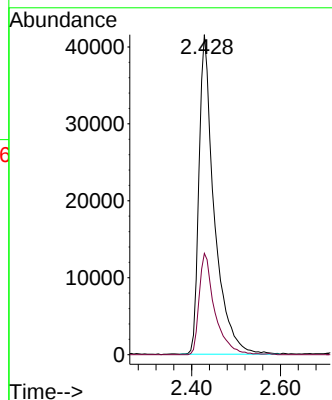
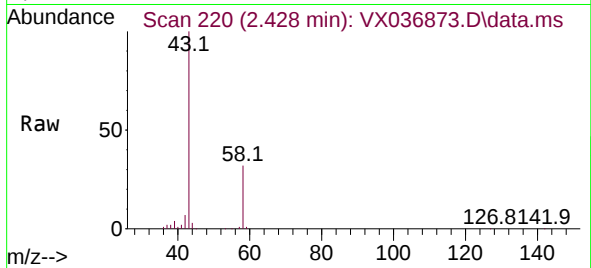




#16
Acetone
Concen: 144.367 ug/l
RT: 2.428 min Scan# 214
Delta R.T. 0.037 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

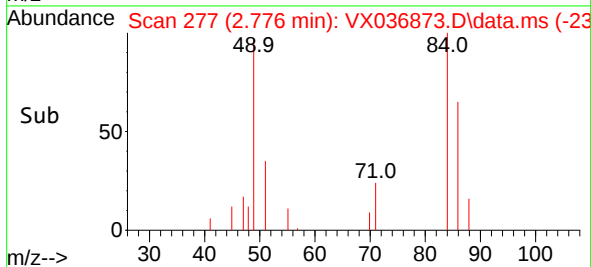
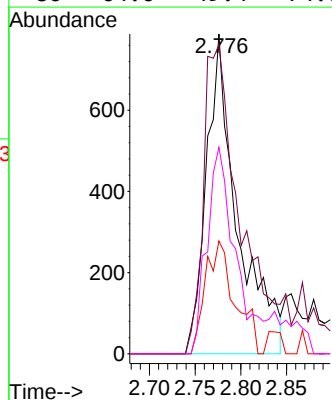
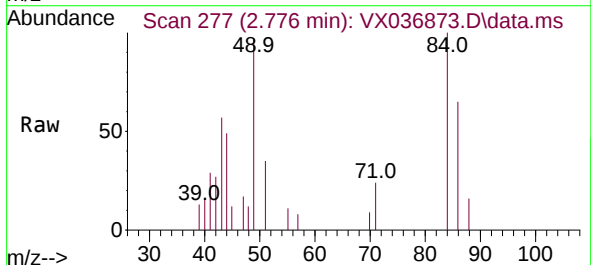
Instrument :
MSVOA_X
ClientSampleId :
1272ME

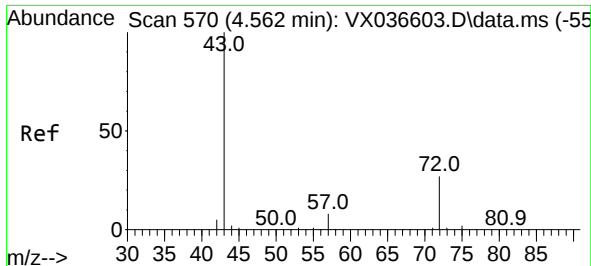
Tgt Ion: 43 Resp: 99029
Ion Ratio Lower Upper
43 100
58 31.7 21.9 32.9



#20
Methylene Chloride
Concen: 1.215 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 84 Resp: 1854
Ion Ratio Lower Upper
84 100
49 96.6 103.6 155.4#
51 35.3 33.8 50.6
86 64.6 49.4 74.0





#25

2-Butanone

Concen: 1.834 ug/l m

RT: 4.629 min Scan# 51

Delta R.T. 0.067 min

Lab File: VX036873.D

Acq: 08 Aug 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

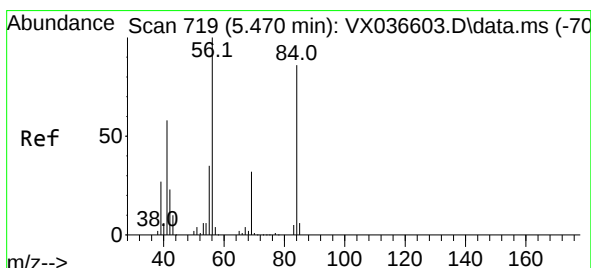
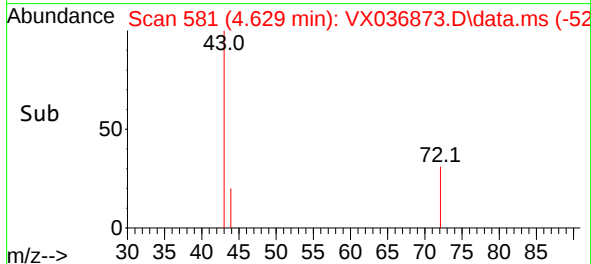
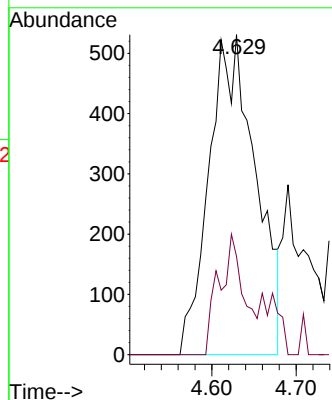
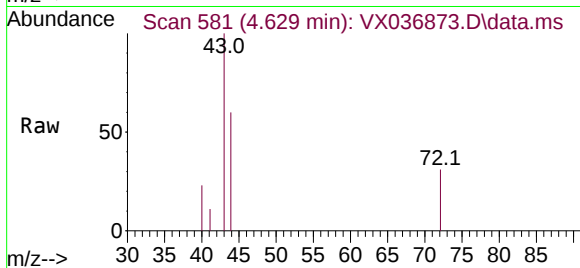
1272ME

Tgt Ion: 43 Resp: 2041

Ion Ratio Lower Upper

43 100

72 30.7 19.4 29.2#



#31

Cyclohexane

Concen: 2.200 ug/l

RT: 5.495 min Scan# 723

Delta R.T. 0.025 min

Lab File: VX036873.D

Acq: 08 Aug 2023 18:51

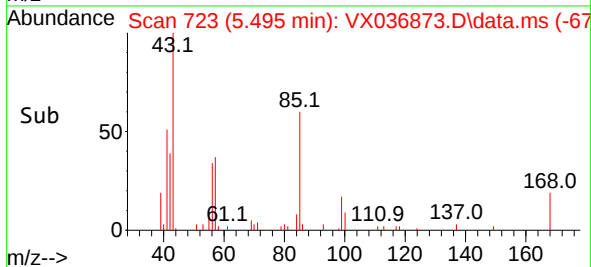
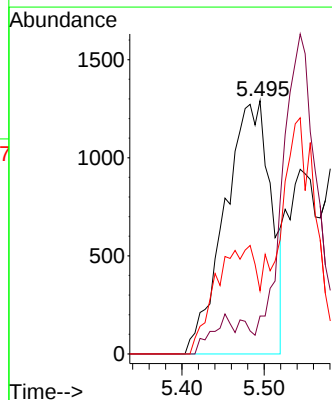
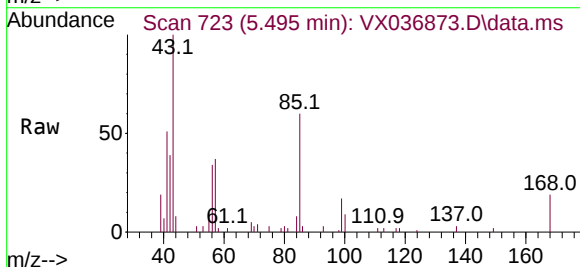
Tgt Ion: 56 Resp: 5036

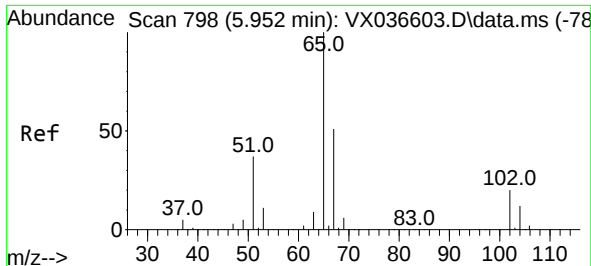
Ion Ratio Lower Upper

56 100

69 14.9 23.4 35.2#

84 24.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.411 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036873.D

Acq: 08 Aug 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

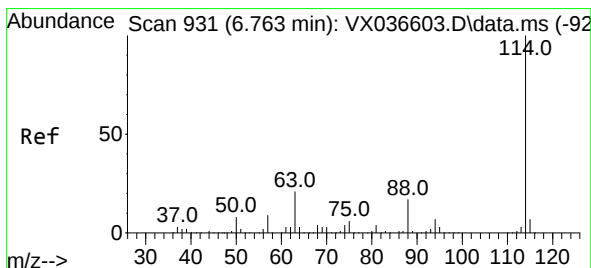
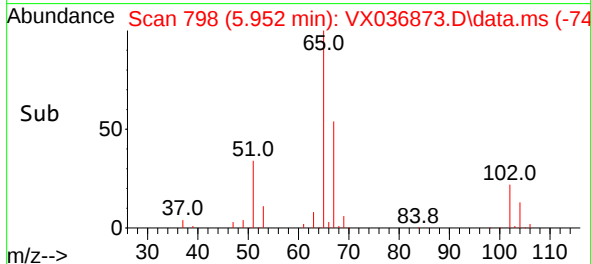
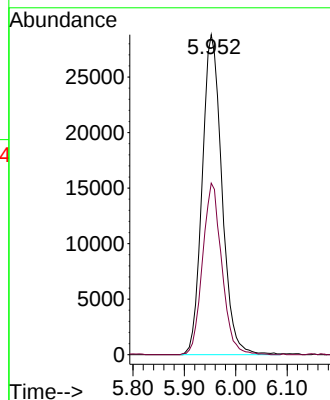
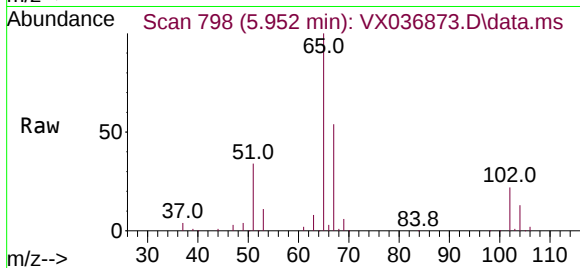
1272ME

Tgt Ion: 65 Resp: 76720

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX036873.D

Acq: 08 Aug 2023 18:51

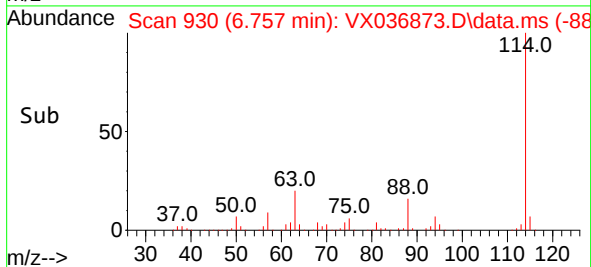
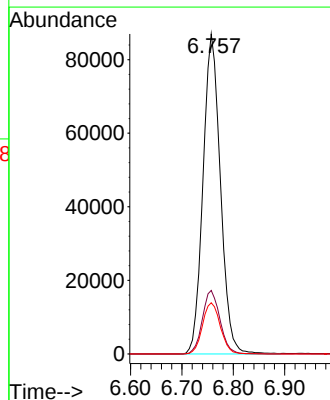
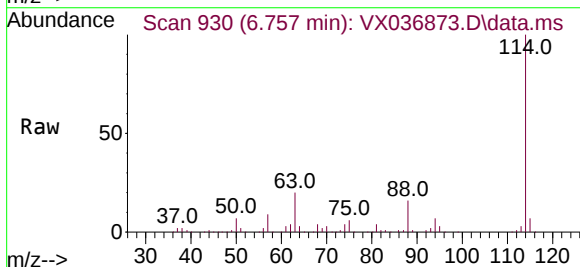
Tgt Ion: 114 Resp: 204461

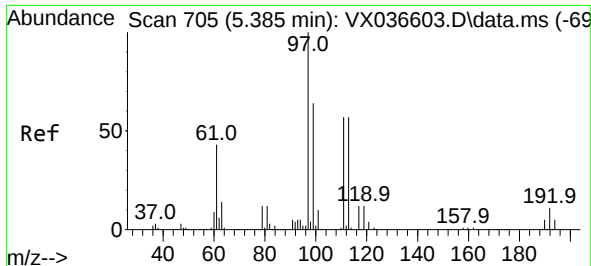
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

88 16.0 0.0 36.6

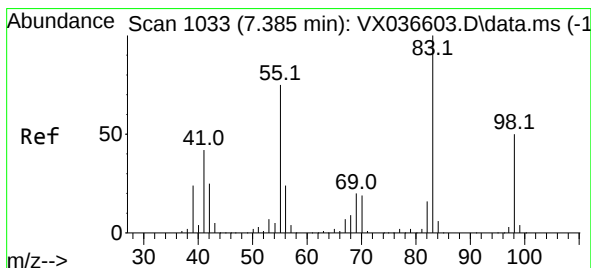
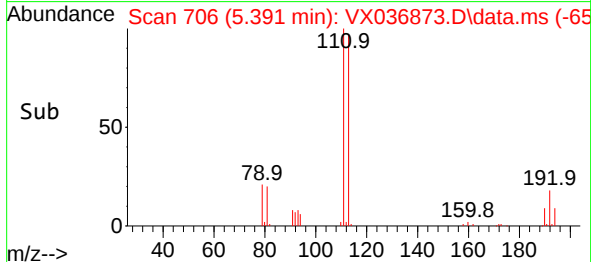
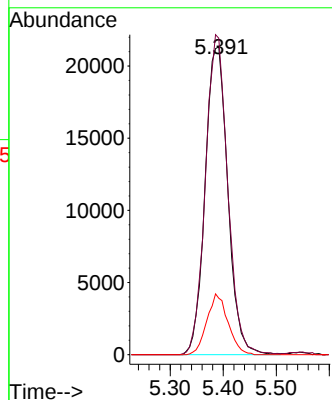
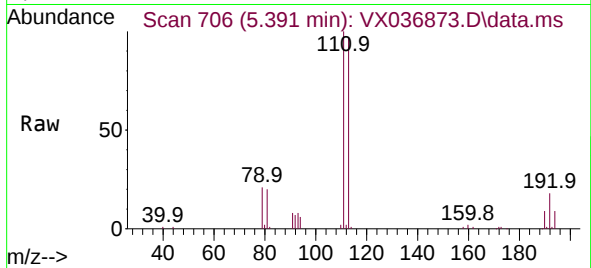




#35
Dibromofluoromethane
Concen: 45.224 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

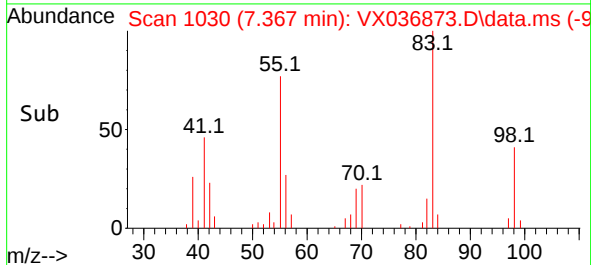
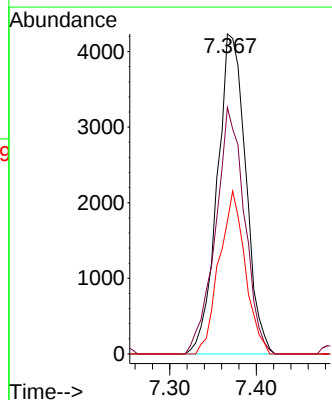
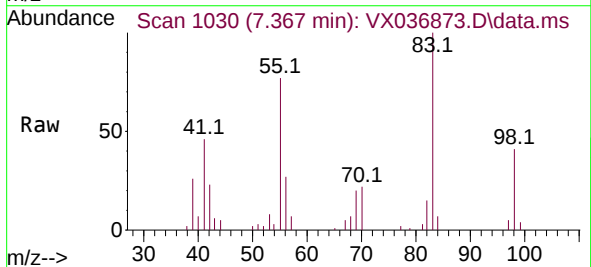
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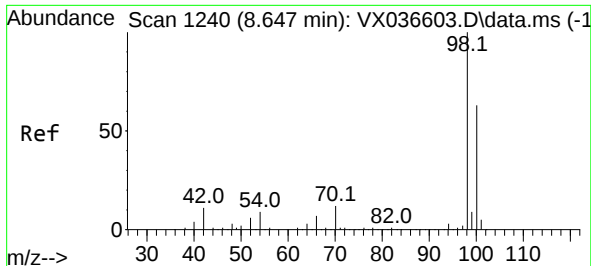
Tgt Ion:113 Resp: 63555
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.3 13.3 19.9



#39
Methylcyclohexane
Concen: 3.715 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.018 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 83 Resp: 9675
Ion Ratio Lower Upper
83 100
55 77.0 64.6 97.0
98 41.5 36.7 55.1

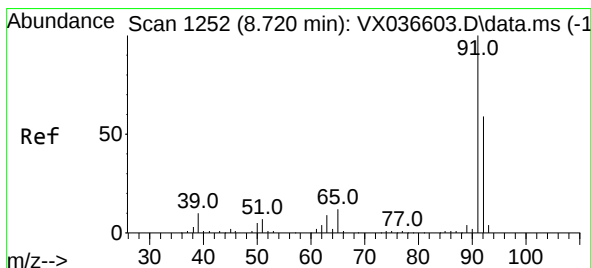
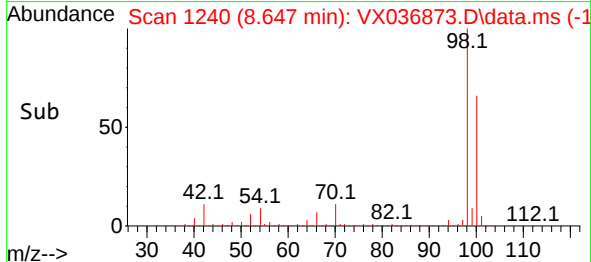
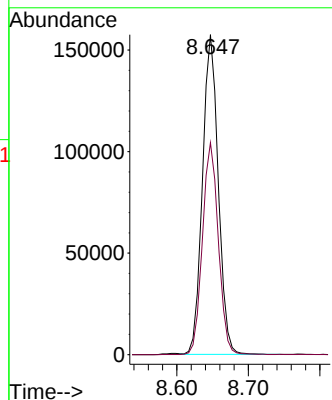
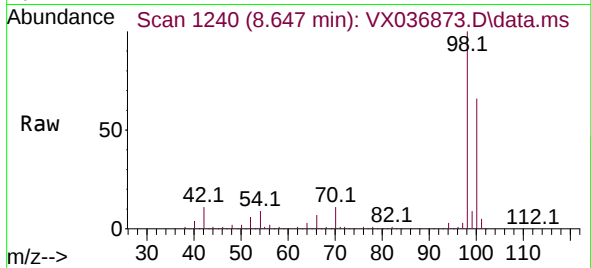




#50
Toluene-d8
Concen: 48.428 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

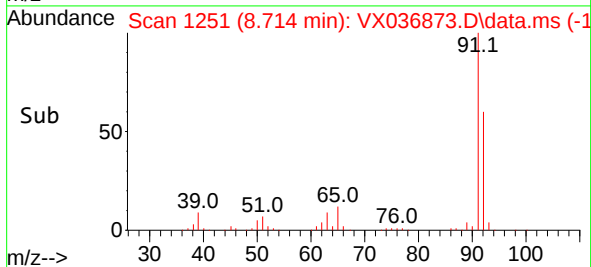
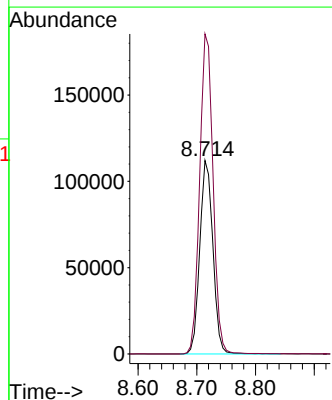
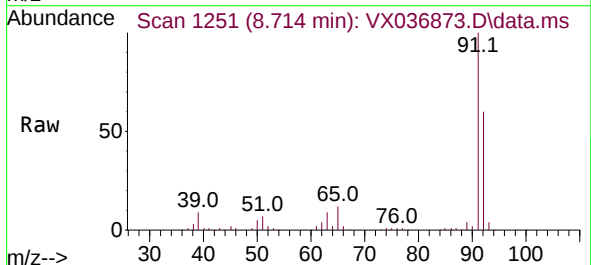
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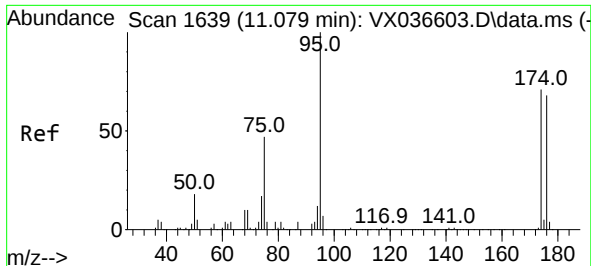
Tgt Ion: 98 Resp: 241348
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#52
Toluene
Concen: 45.532 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 92 Resp: 173868
Ion Ratio Lower Upper
92 100
91 168.5 134.2 201.2

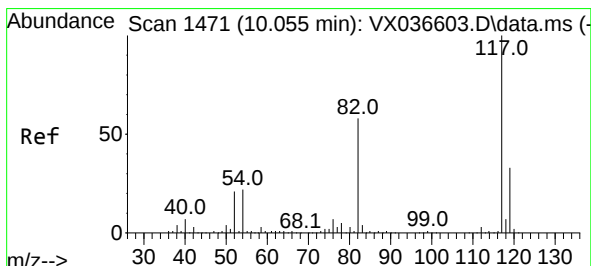
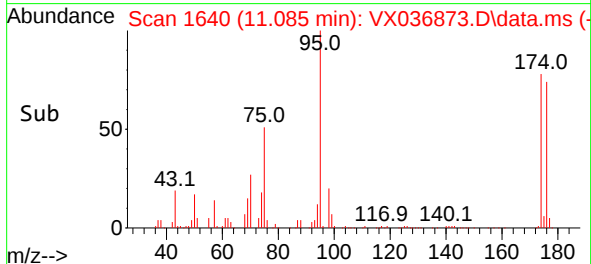
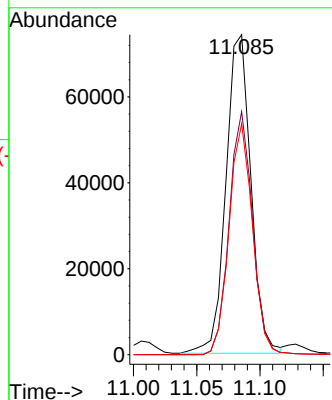
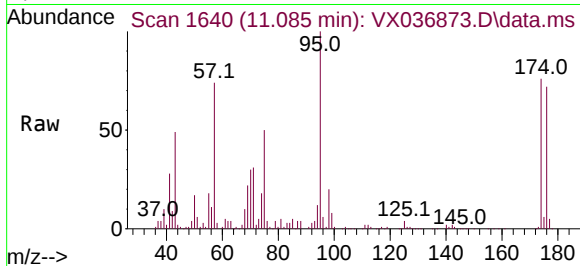




#62
4-Bromofluorobenzene
Concen: 54.017 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

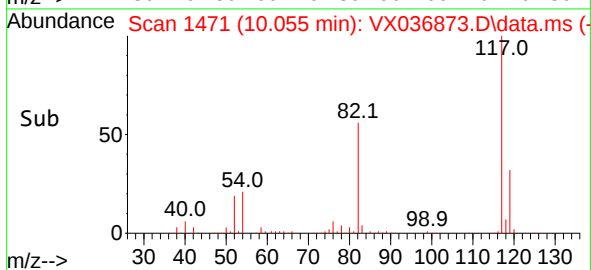
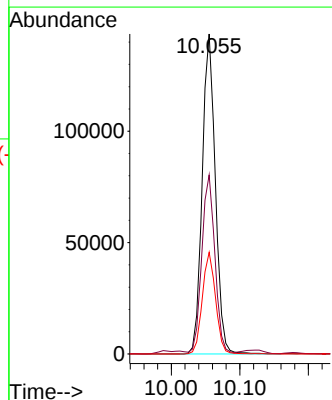
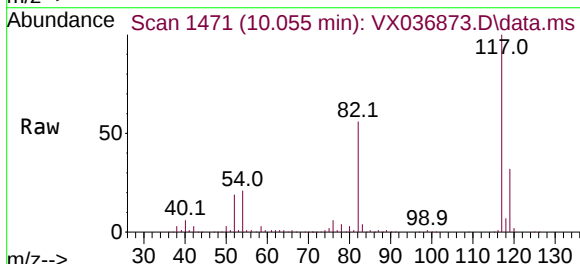
Instrument :
MSVOA_X
ClientSampleId :
1272ME

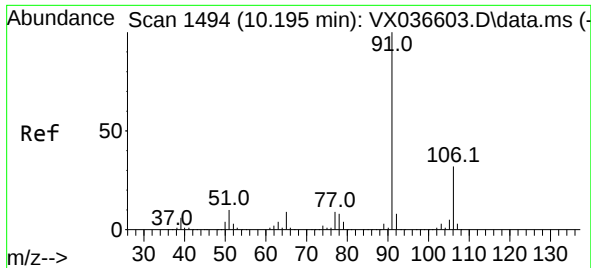
Tgt Ion: 95 Resp: 101567
Ion Ratio Lower Upper
95 100
174 71.9 0.0 135.6
176 68.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 117 Resp: 192034
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 31.8 25.5 38.3

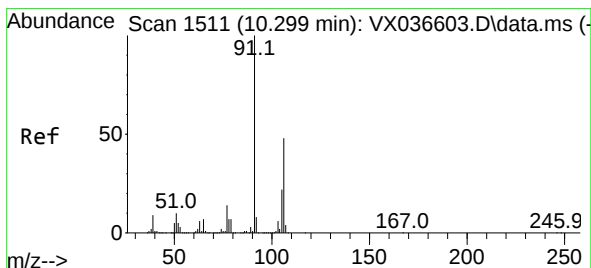
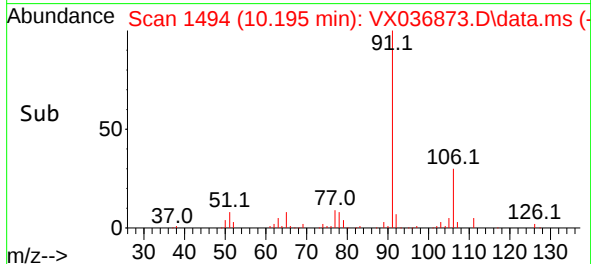
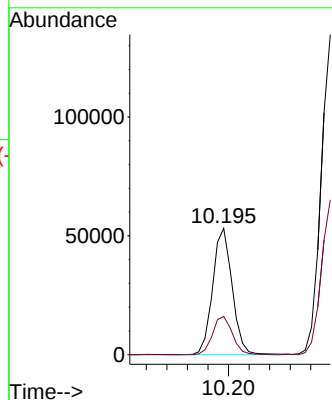
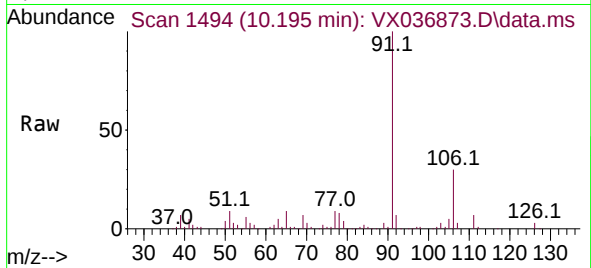




#67
Ethyl Benzene
Concen: 9.035 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

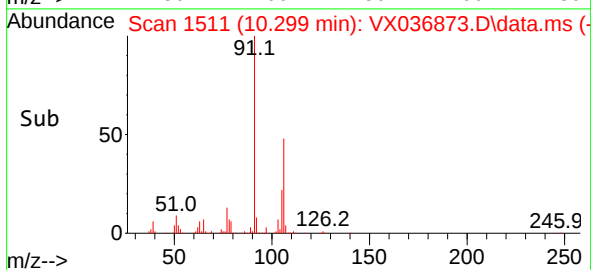
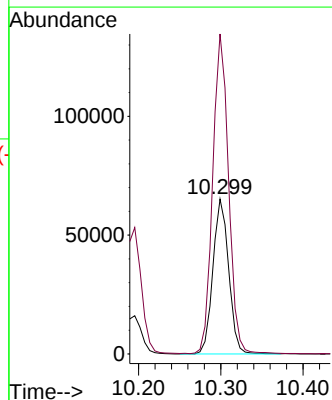
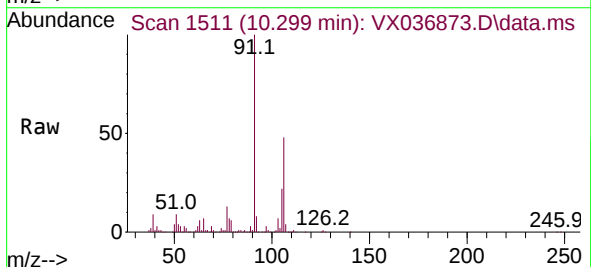
Instrument :
MSVOA_X
ClientSampleId :
1272ME

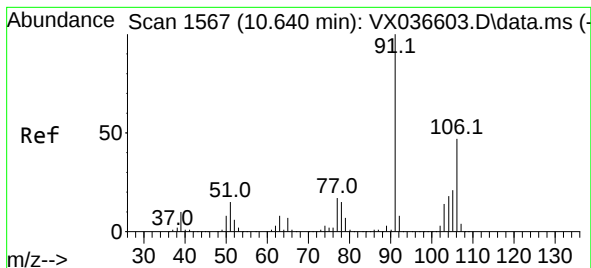
Tgt Ion: 91 Resp: 69868
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3



#68
m/p-Xylenes
Concen: 30.078 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 106 Resp: 86781
Ion Ratio Lower Upper
106 100
91 208.3 165.5 248.3

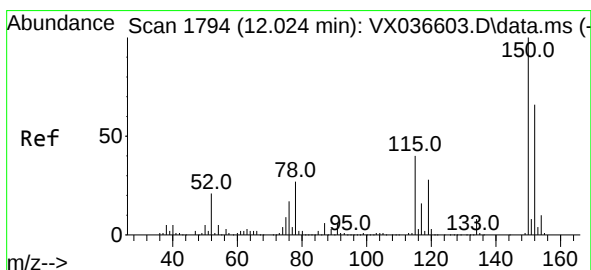
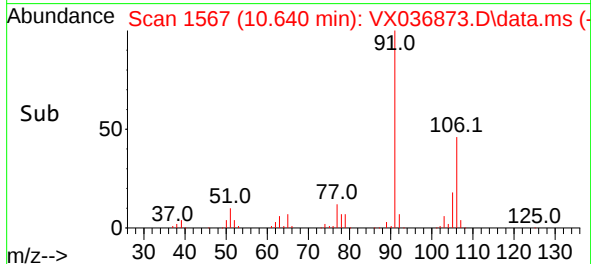
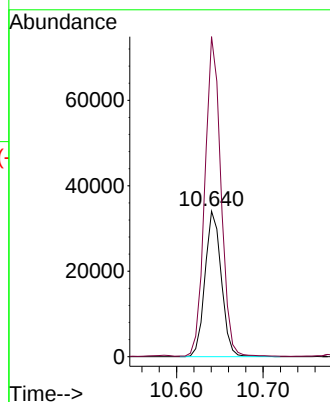
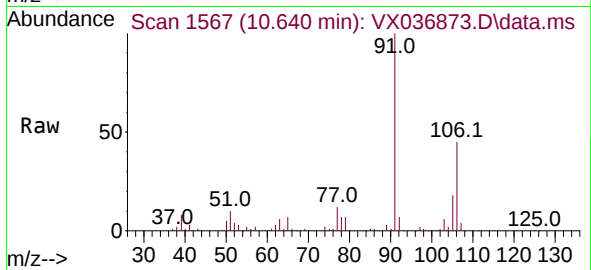




#69
o-Xylene
Concen: 15.448 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

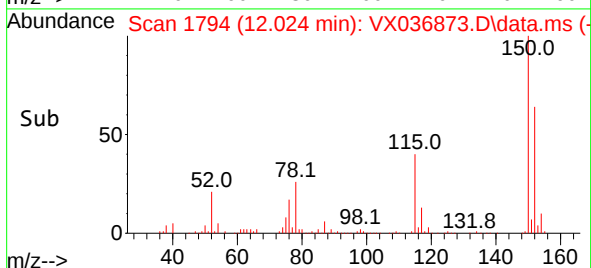
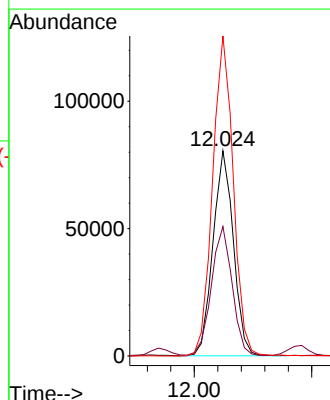
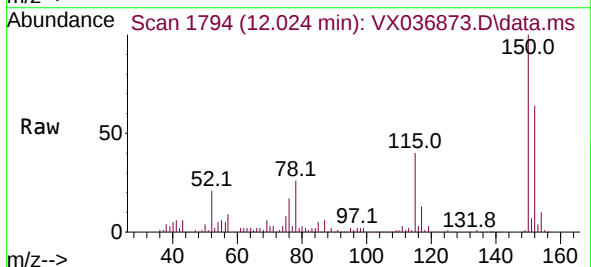
Instrument :
MSVOA_X
ClientSampleId :
1272ME

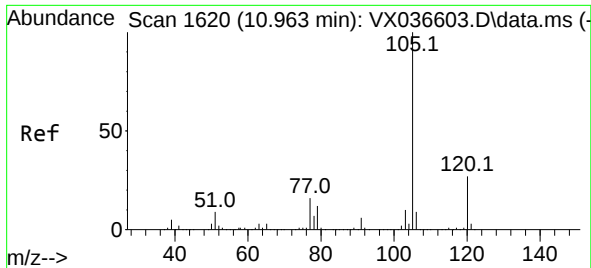
Tgt Ion:106 Resp: 44490
Ion Ratio Lower Upper
106 100
91 216.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion:152 Resp: 96626
Ion Ratio Lower Upper
152 100
115 64.2 43.3 129.9
150 158.4 0.0 345.0

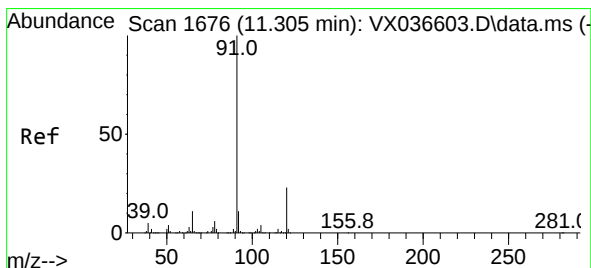
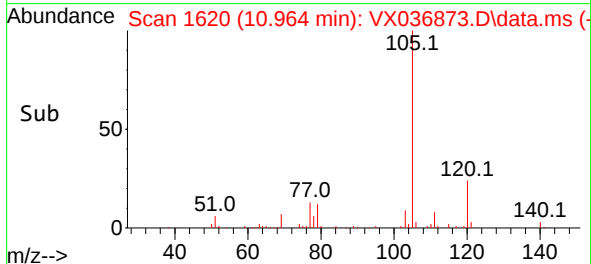
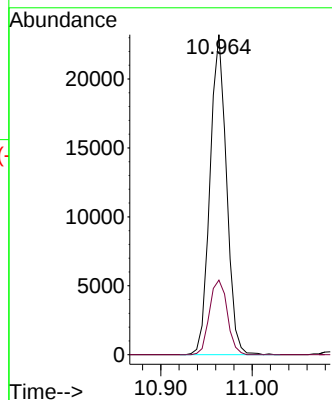
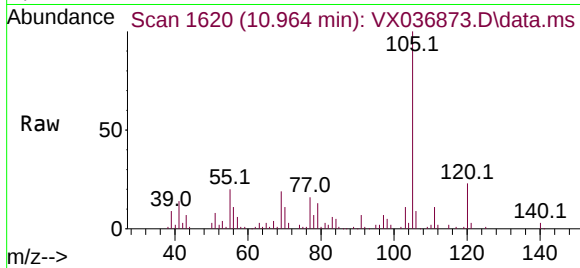




#73
Isopropylbenzene
Concen: 3.630 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

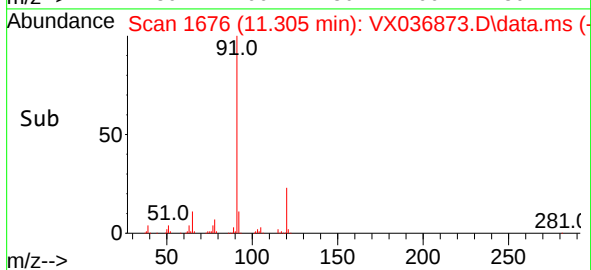
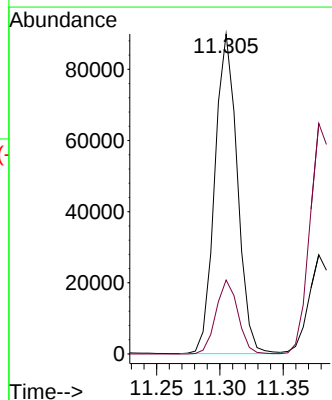
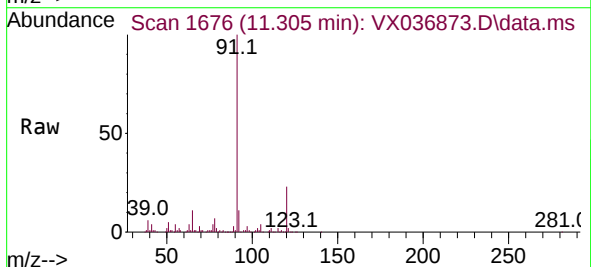
Instrument :
MSVOA_X
ClientSampleId :
1272ME

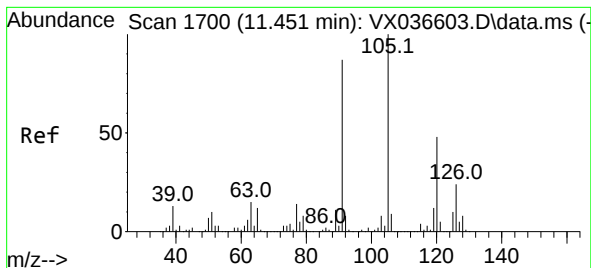
Tgt Ion:105 Resp: 29030
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6



#78
n-propylbenzene
Concen: 12.025 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 91 Resp: 111208
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 15.610 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036873.D

Acq: 08 Aug 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

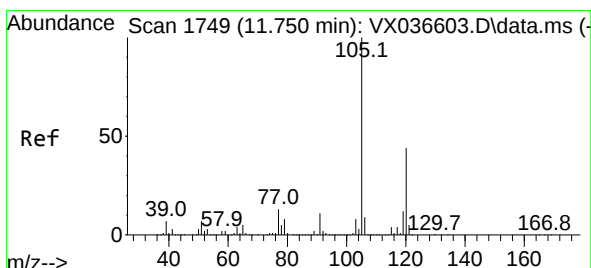
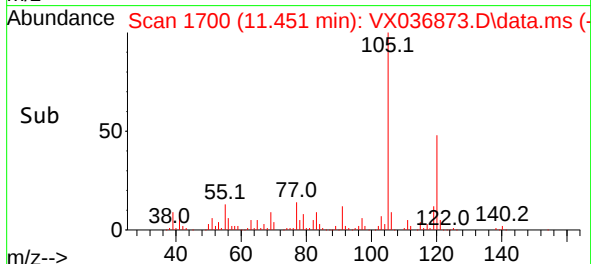
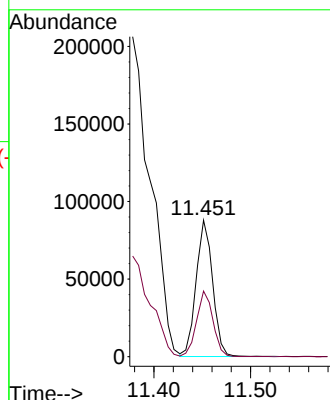
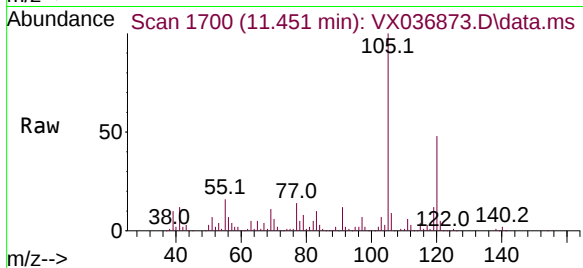
1272ME

Tgt Ion:105 Resp: 104429

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 57.812 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX036873.D

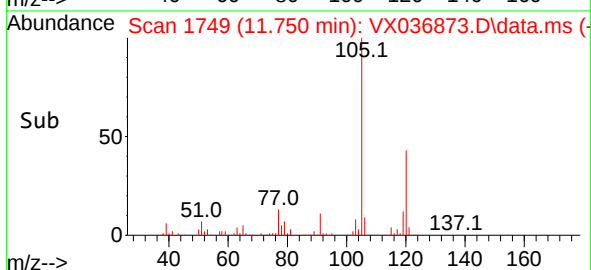
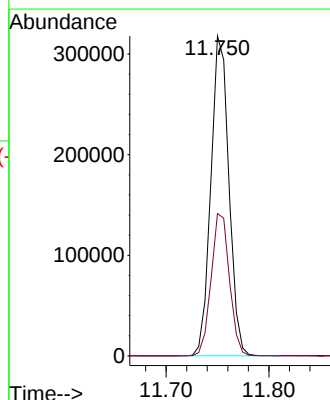
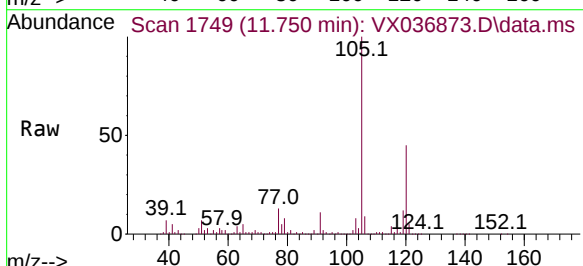
Acq: 08 Aug 2023 18:51

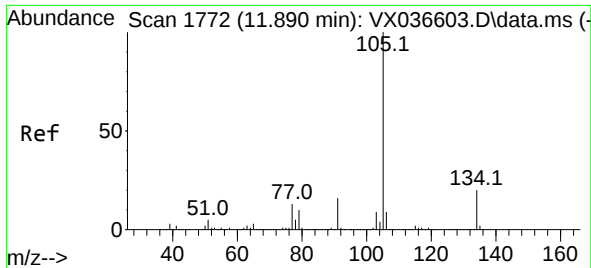
Tgt Ion:105 Resp: 386785

Ion Ratio Lower Upper

105 100

120 45.4 21.2 63.6

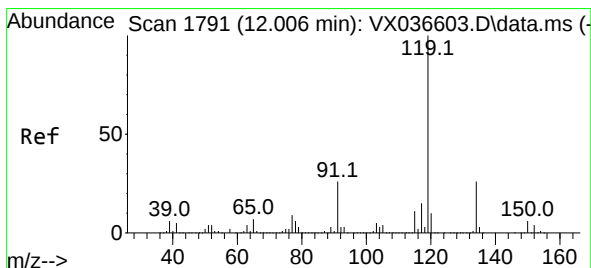
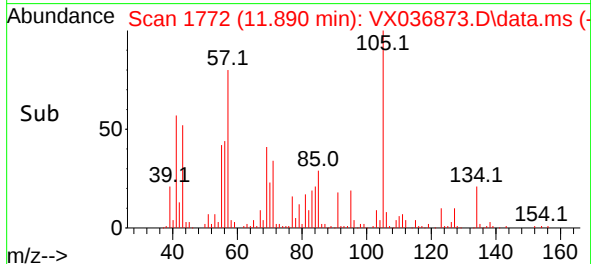
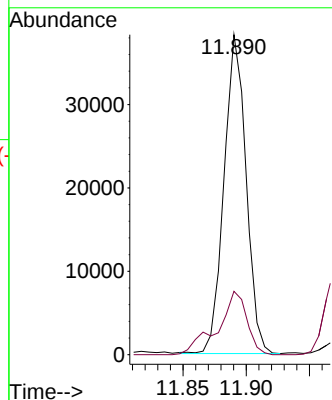
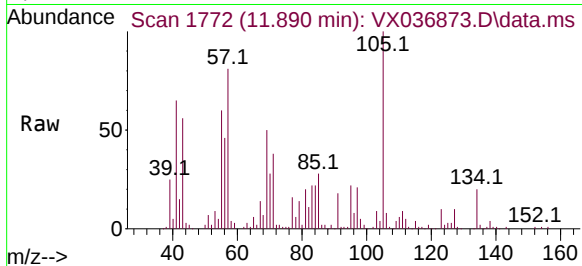




#85
 sec-Butylbenzene
 Concen: 5.657 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX036873.D
 Acq: 08 Aug 2023 18:51

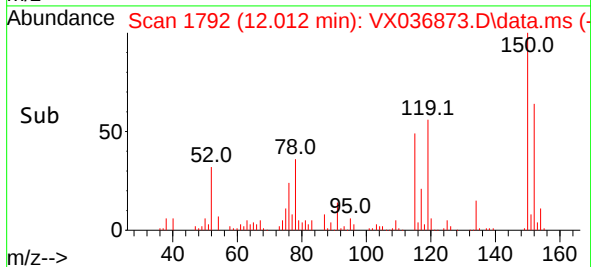
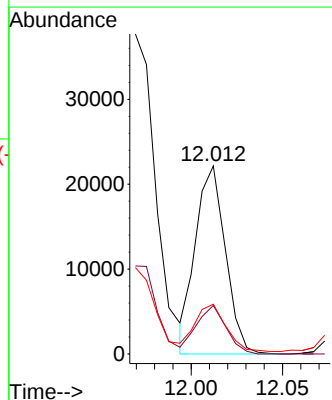
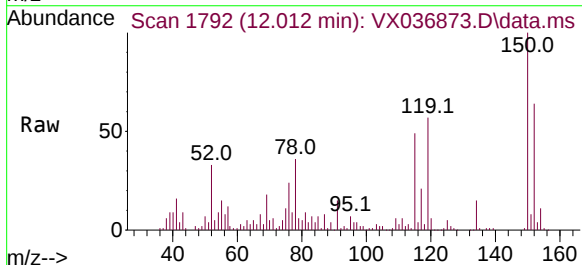
Instrument :
 MSVOA_X
 ClientSampleId :
 1272ME

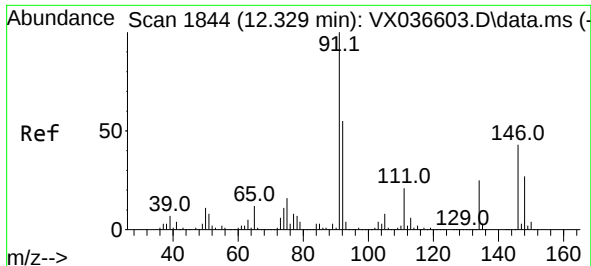
Tgt Ion:105 Resp: 46368
 Ion Ratio Lower Upper
 105 100
 134 26.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 3.744 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX036873.D
 Acq: 08 Aug 2023 18:51

Tgt Ion:119 Resp: 25251
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 25.9 13.1 39.3

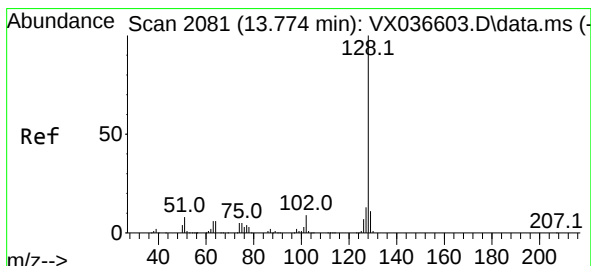
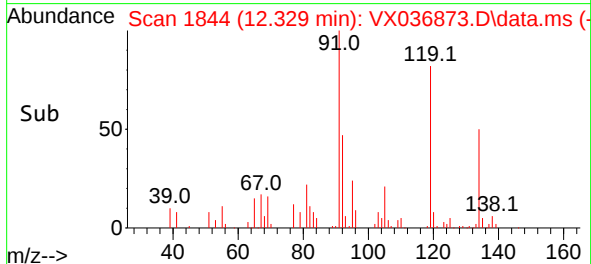
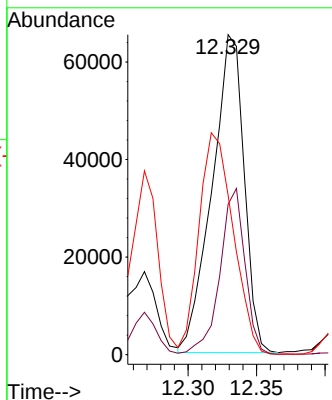
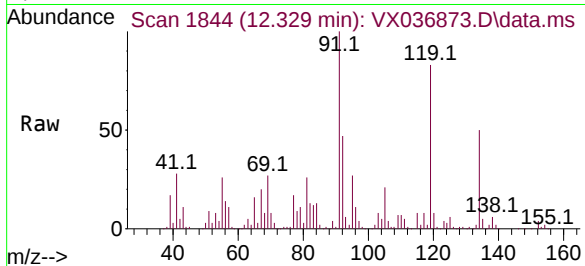




#89
n-Butylbenzene
Concen: 17.570 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :
1272ME

Tgt Ion: 91 Resp: 106074
Ion Ratio Lower Upper
91 100
92 40.9 27.4 82.0
134 74.4 12.6 37.8#



#95
Naphthalene
Concen: 6.909 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036873.D
Acq: 08 Aug 2023 18:51

Tgt Ion: 128 Resp: 48282
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 15.3 8.8 13.2#

