

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033299.D
 Acq On : 07 Dec 2022 22:14
 Operator : JC/MD
 Sample : N5906-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Quant Time: Dec 08 01:44:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

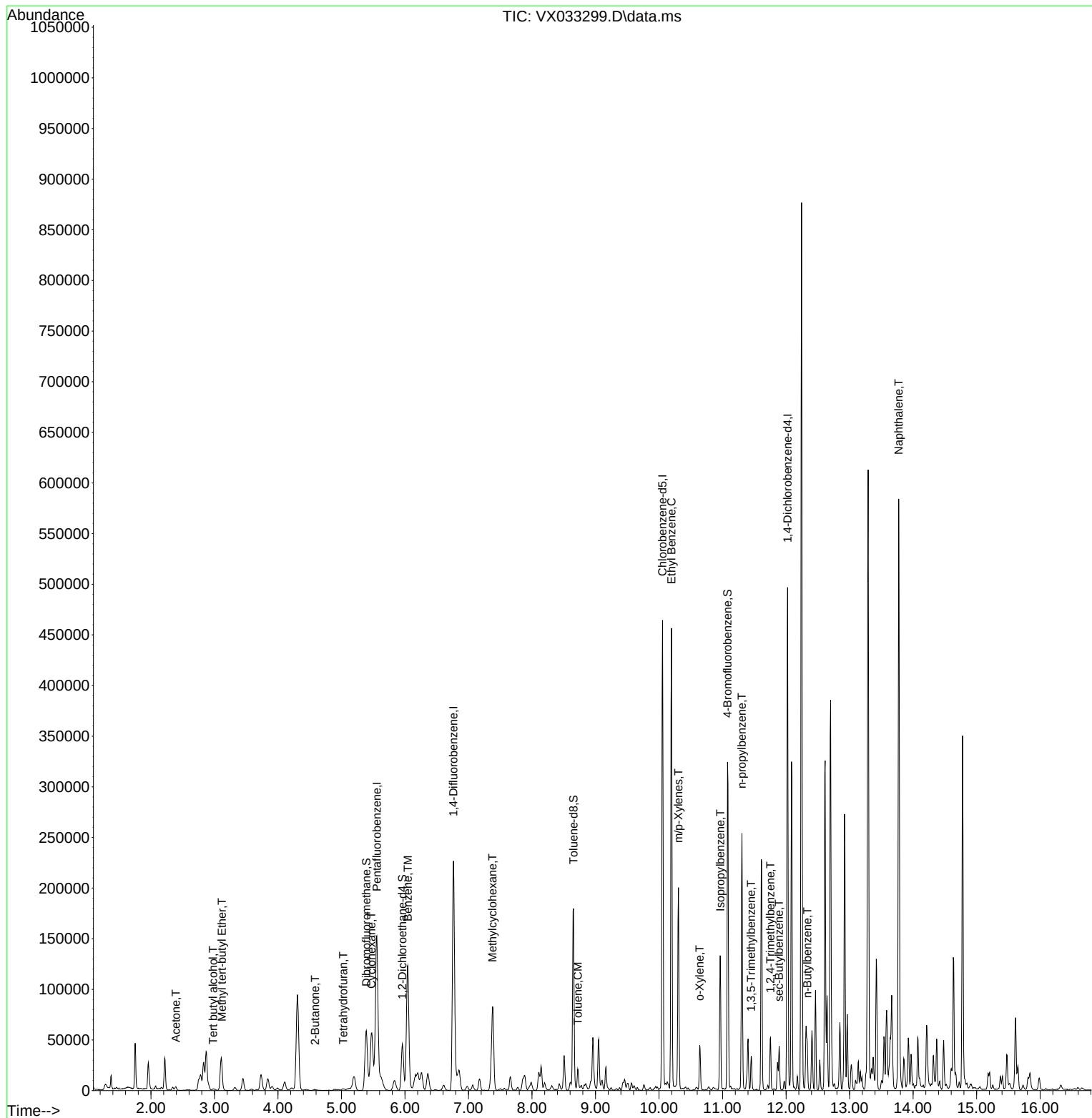
Internal Standards						
1) Pentafluorobenzene	5.556	168	144424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46699	50.402	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.800%
35) Dibromofluoromethane	5.391	113	50485	48.185	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.360%
50) Toluene-d8	8.653	98	108142	49.339	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.680%
62) 4-Bromofluorobenzene	11.079	95	85924	51.270	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	2641	9.323	ug/l #	72
16) Acetone	2.392	43	4425	6.454	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	6895	1.520	ug/l #	1
25) 2-Butanone	4.586	43	2235	2.271	ug/l #	74
29) Tetrahydrofuran	5.025	42	1511	2.370	ug/l #	86
31) Cyclohexane	5.470	56	39239	17.820	ug/l	93
39) Methylcyclohexane	7.379	83	37354	16.337	ug/l	99
40) Benzene	6.043	78	151670	25.465	ug/l	98
52) Toluene	8.720	92	7758	2.015	ug/l	97
67) Ethyl Benzene	10.195	91	255522	34.537	ug/l	99
68) m/p-Xylenes	10.305	106	42930	14.914	ug/l	99
69) o-Xylene	10.640	106	9885	3.474	ug/l	99
73) Isopropylbenzene	10.963	105	68617	9.288	ug/l	99
78) n-propylbenzene	11.305	91	150329	18.223	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	15035	2.445	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	23547	3.836	ug/l	100
85) sec-Butylbenzene	11.890	105	22065	3.084	ug/l	98
89) n-Butylbenzene	12.335	91	24456	4.840	ug/l #	73
95) Naphthalene	13.774	128	368917	54.201	ug/l	100

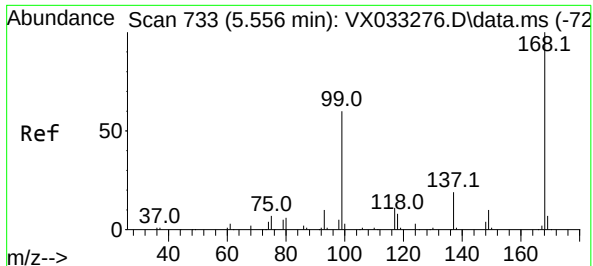
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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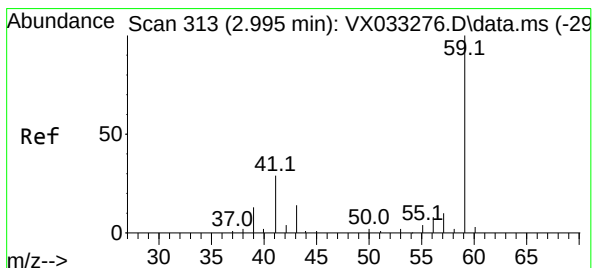
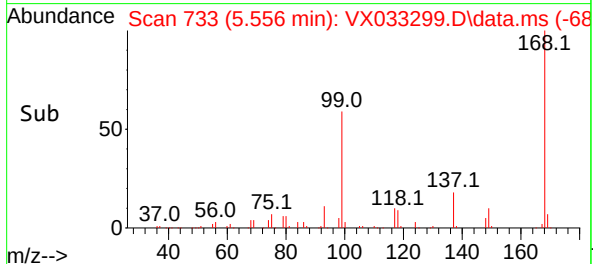
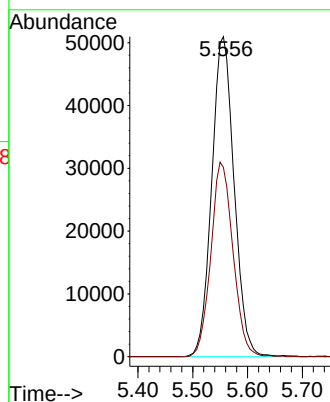
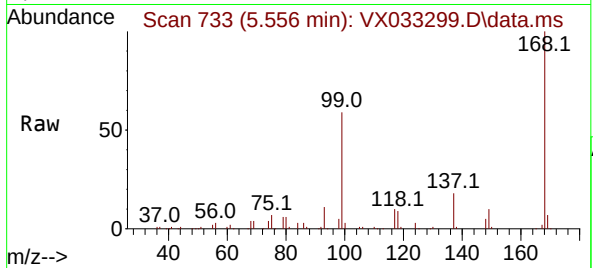




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

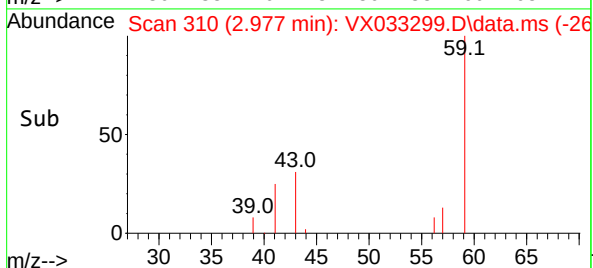
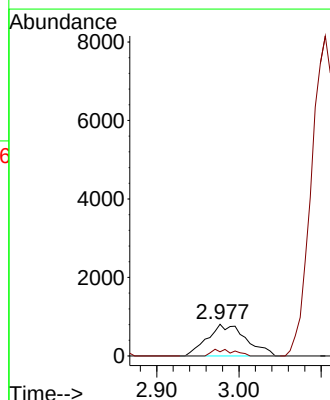
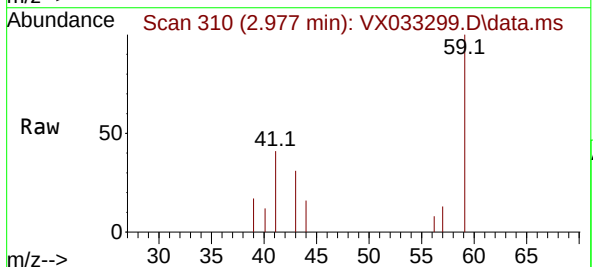
Instrument :
MSVOA_X
ClientSampleId :
MW-12

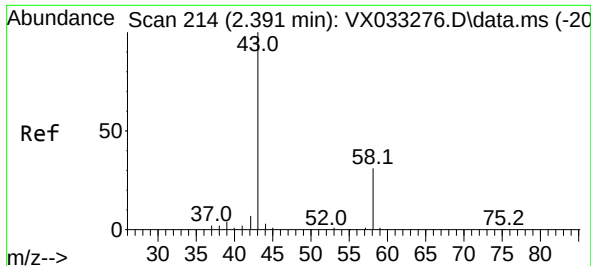
Tgt Ion:168 Resp: 144424
Ion Ratio Lower Upper
168 100
99 59.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 9.323 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.018 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 59 Resp: 2641
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 6.454 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX033299.D

Acq: 07 Dec 2022 22:14

Instrument :

MSVOA_X

ClientSampleId :

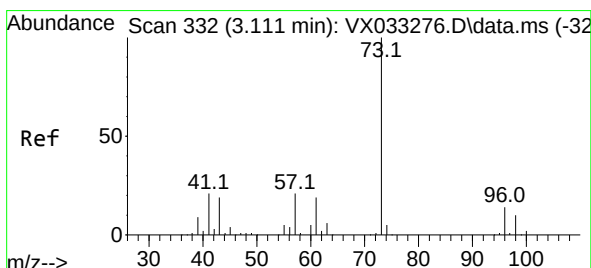
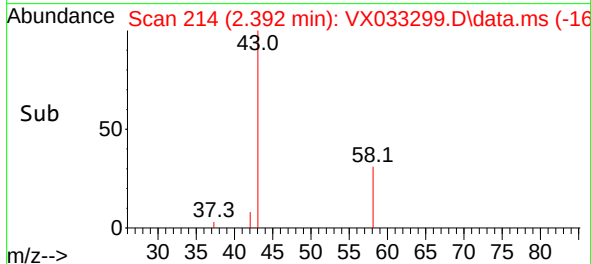
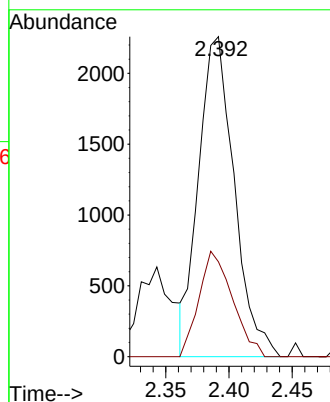
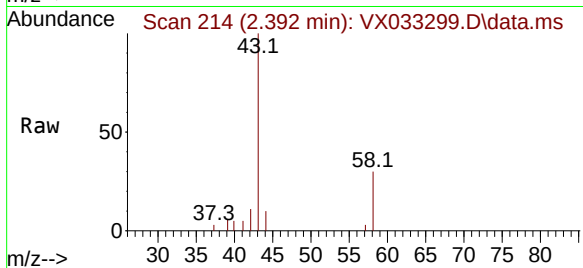
MW-12

Tgt Ion: 43 Resp: 4425

Ion Ratio Lower Upper

43 100

58 29.7 23.8 35.8



#19

Methyl tert-butyl Ether

Concen: 1.520 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX033299.D

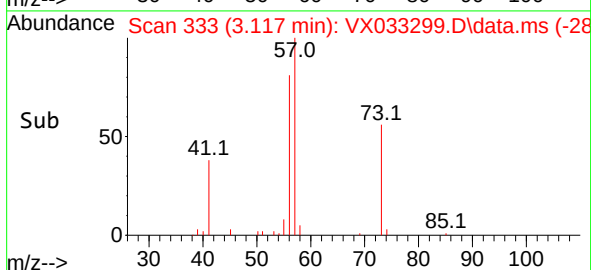
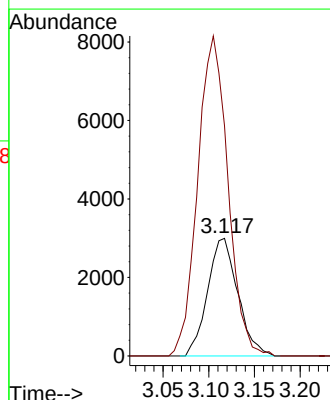
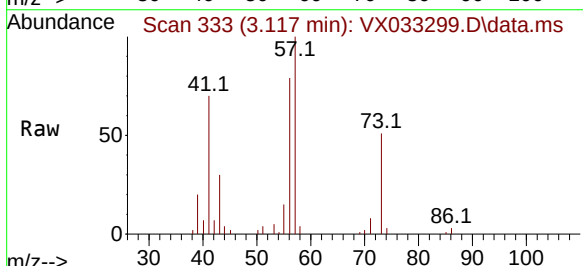
Acq: 07 Dec 2022 22:14

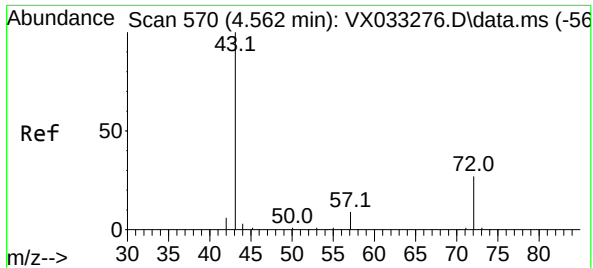
Tgt Ion: 73 Resp: 6895

Ion Ratio Lower Upper

73 100

57 195.7 16.6 25.0#

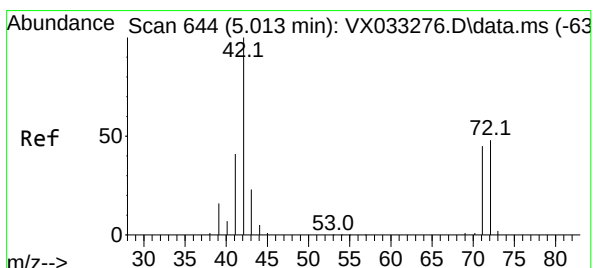
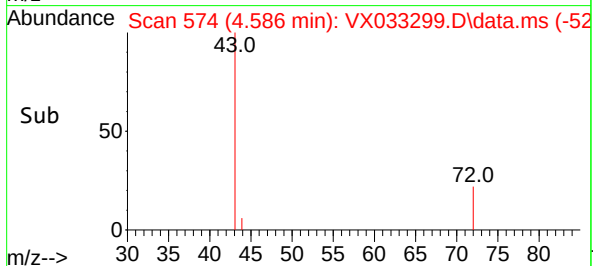
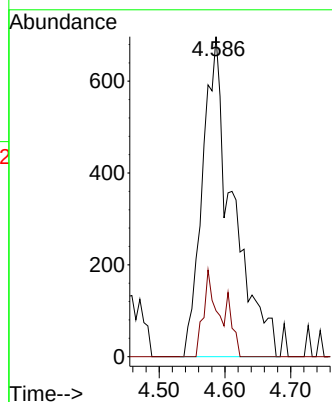
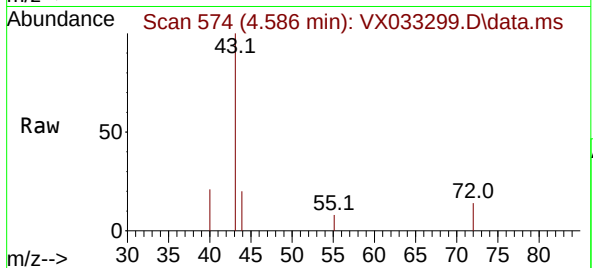




#25
2-Butanone
Concen: 2.271 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

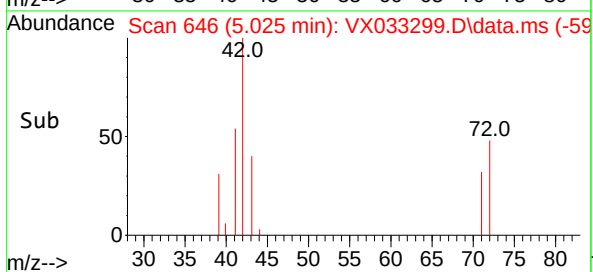
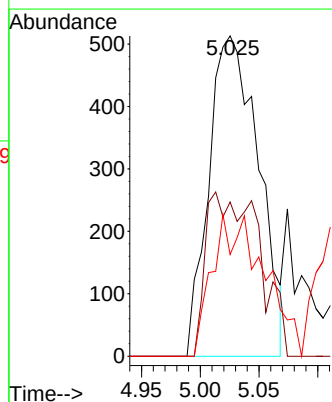
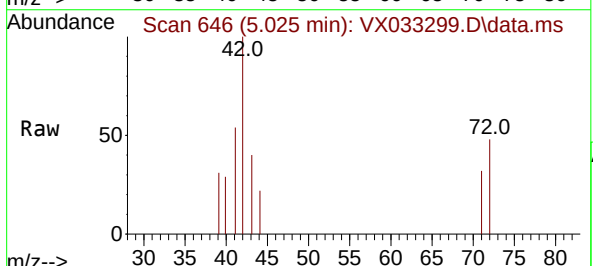
Instrument :
MSVOA_X
ClientSampleId :
MW-12

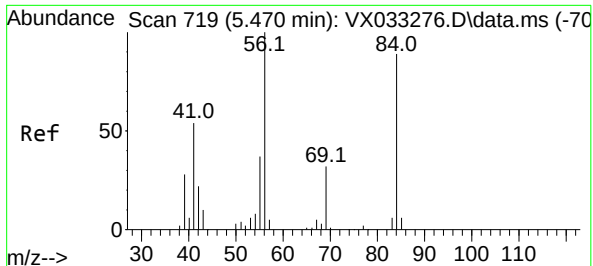
Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
72 14.3 22.2 33.2#



#29
Tetrahydrofuran
Concen: 2.370 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 42 Resp: 1511
Ion Ratio Lower Upper
42 100
72 31.2 37.6 56.4#
71 45.9 34.7 52.1

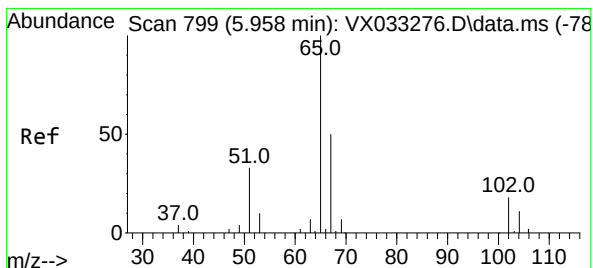
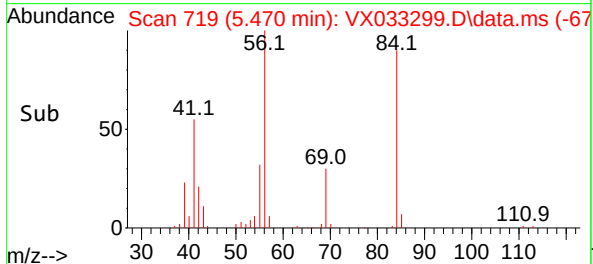
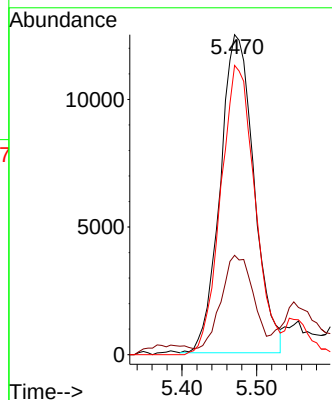
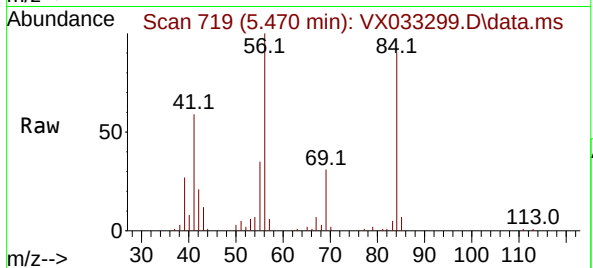




#31
Cyclohexane
Concen: 17.820 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

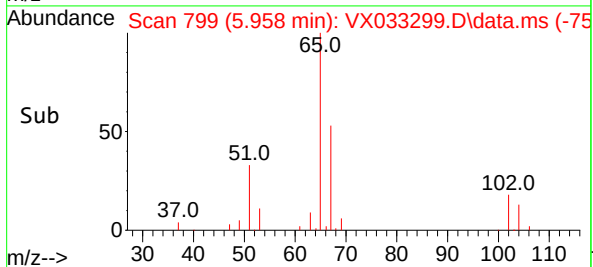
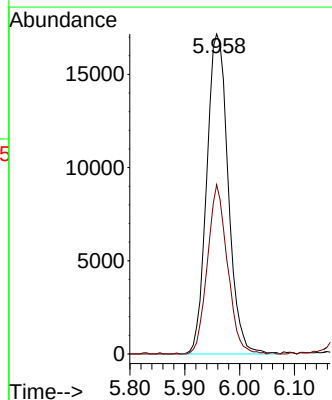
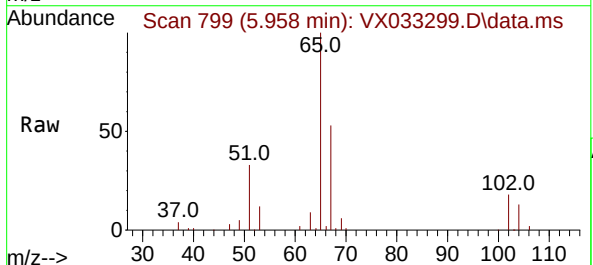
Instrument :
MSVOA_X
ClientSampleId :
MW-12

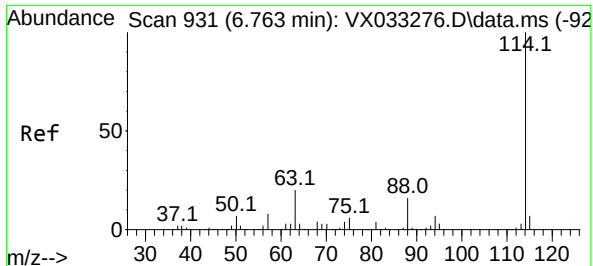
Tgt Ion: 56 Resp: 39239
Ion Ratio Lower Upper
56 100
69 28.6 24.1 36.1
84 91.0 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 50.402 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 65 Resp: 46699
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033299.D

Acq: 07 Dec 2022 22:14

Instrument :

MSVOA_X

ClientSampleId :

MW-12

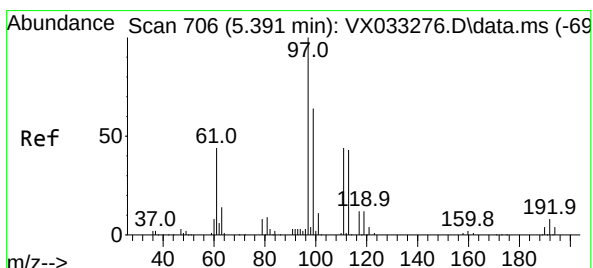
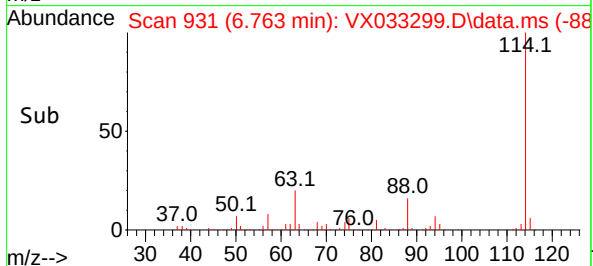
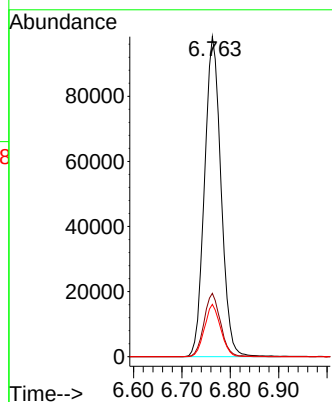
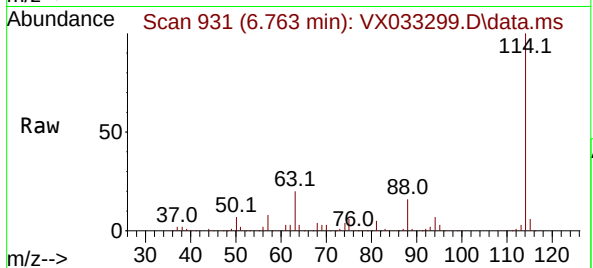
Tgt Ion:114 Resp: 232945

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 16.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.185 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX033299.D

Acq: 07 Dec 2022 22:14

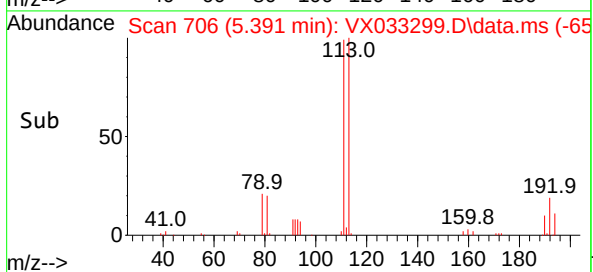
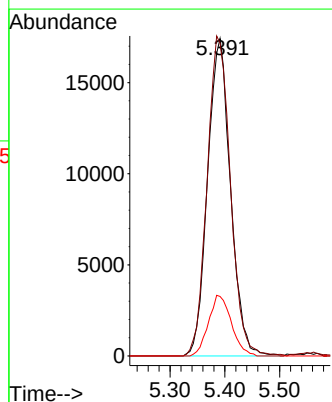
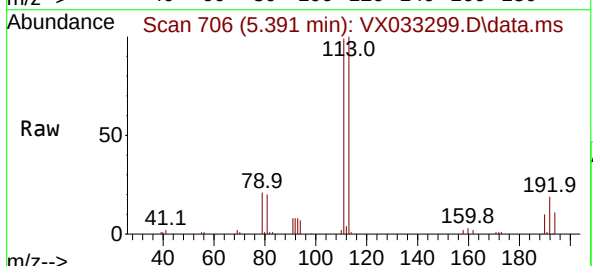
Tgt Ion:113 Resp: 50485

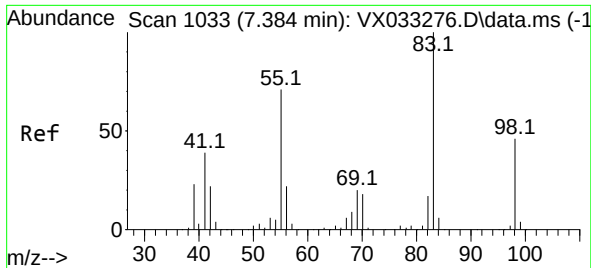
Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 19.1 15.4 23.2

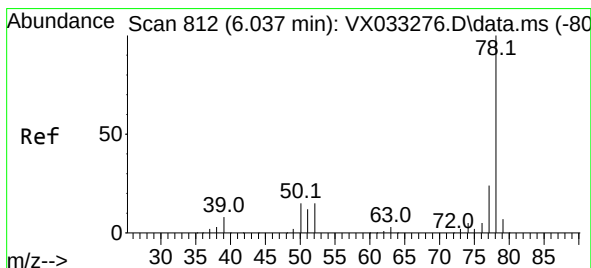
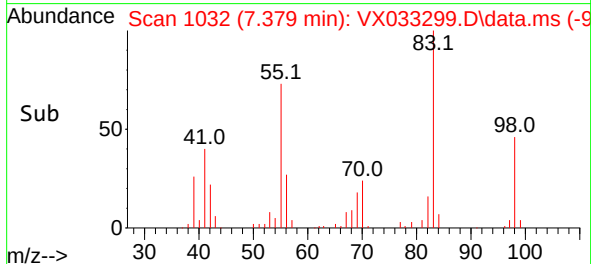
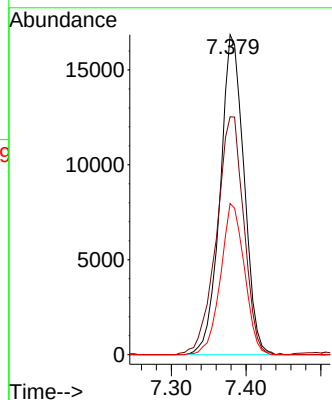
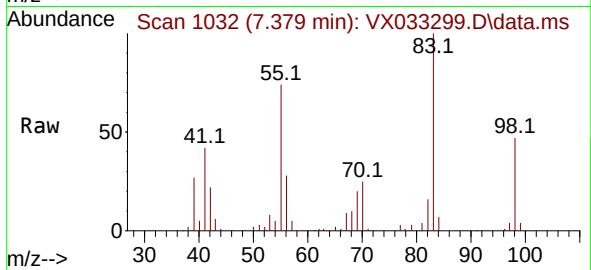




#39
Methylcyclohexane
Concen: 16.337 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

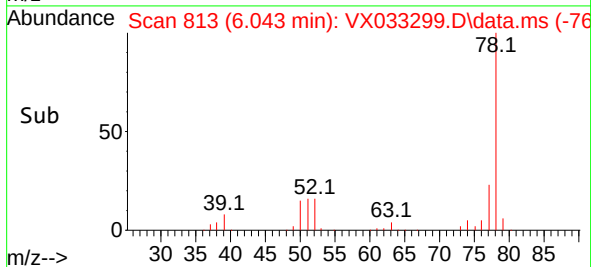
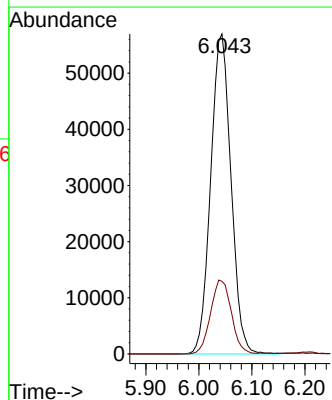
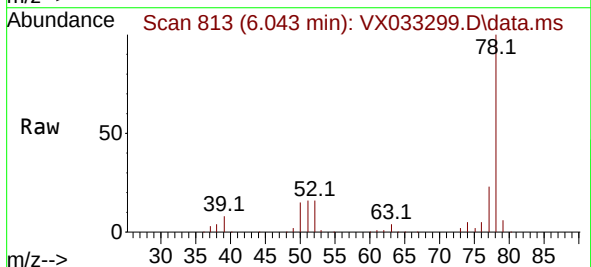
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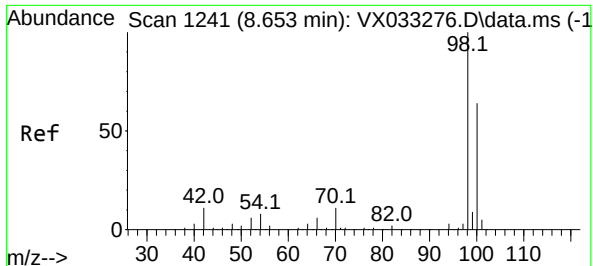
Tgt Ion: 83 Resp: 37354
Ion Ratio Lower Upper
83 100
55 73.9 58.4 87.6
98 47.3 37.2 55.8



#40
Benzene
Concen: 25.465 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 78 Resp: 151670
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4

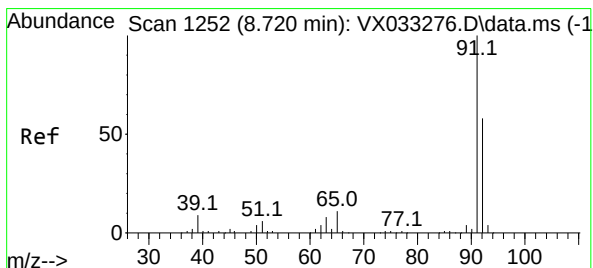
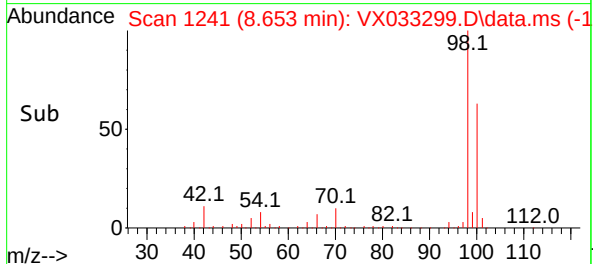
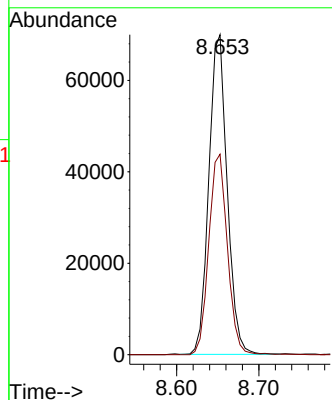
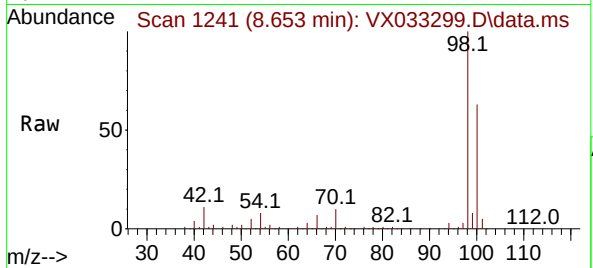




#50
Toluene-d8
Concen: 49.339 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

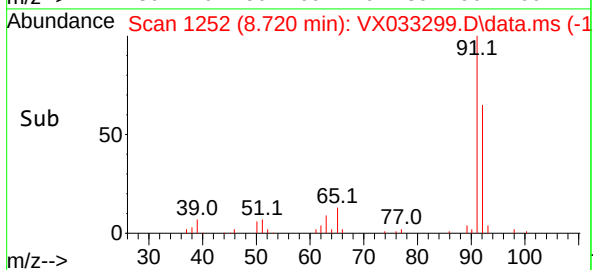
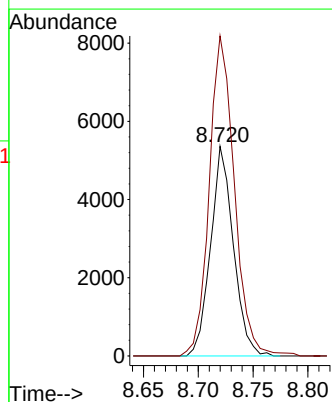
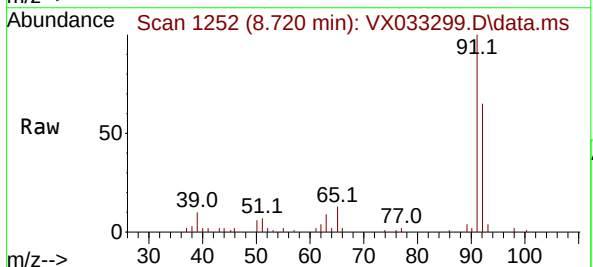
Instrument :
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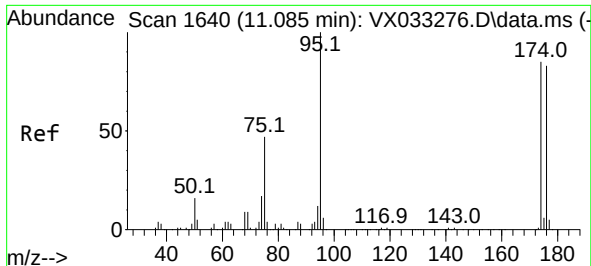
Tgt Ion: 98 Resp: 108142
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#52
Toluene
Concen: 2.015 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 92 Resp: 7758
Ion Ratio Lower Upper
92 100
91 168.1 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 51.270 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033299.D

Acq: 07 Dec 2022 22:14

Instrument :

MSVOA_X

ClientSampleId :

MW-12

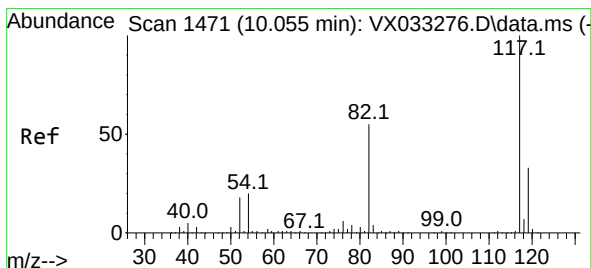
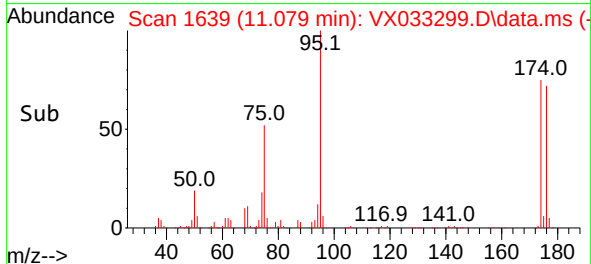
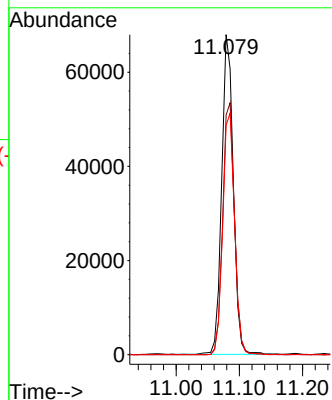
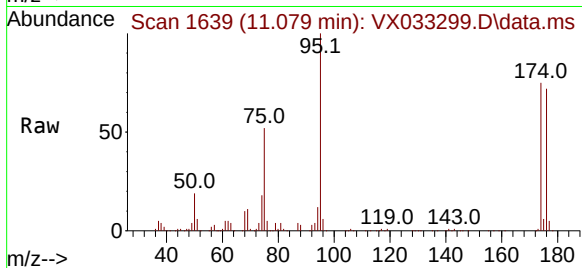
Tgt Ion: 95 Resp: 85924

Ion Ratio Lower Upper

95 100

174 80.0 0.0 164.0

176 76.8 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033299.D

Acq: 07 Dec 2022 22:14

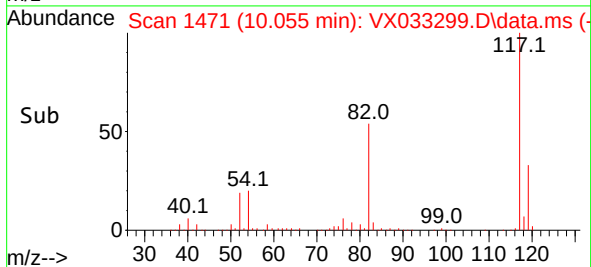
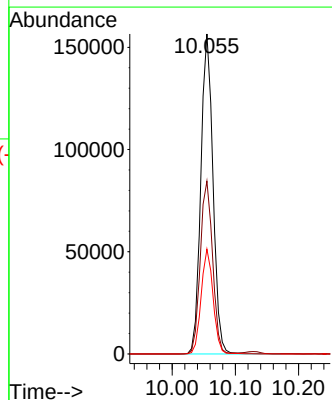
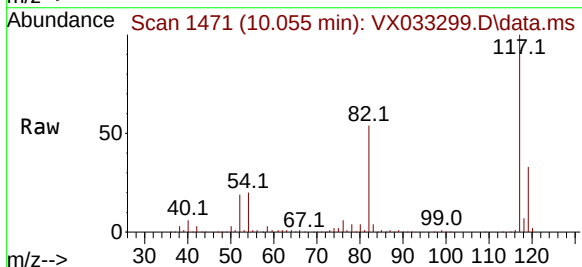
Tgt Ion: 117 Resp: 209714

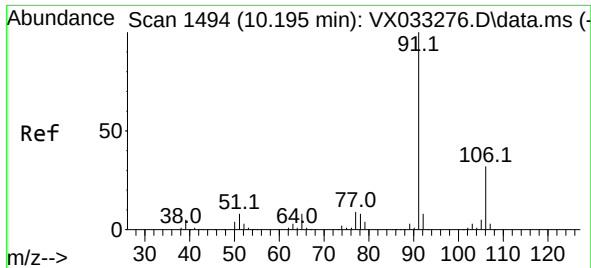
Ion Ratio Lower Upper

117 100

82 54.0 44.3 66.5

119 32.7 25.7 38.5

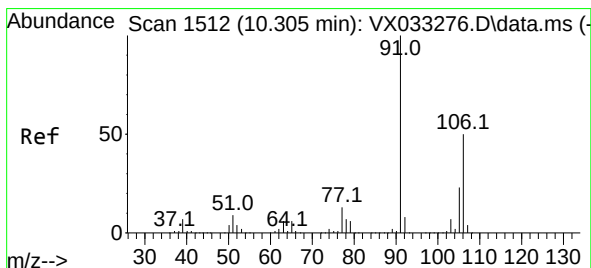
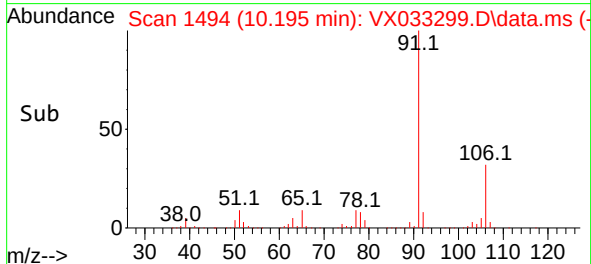
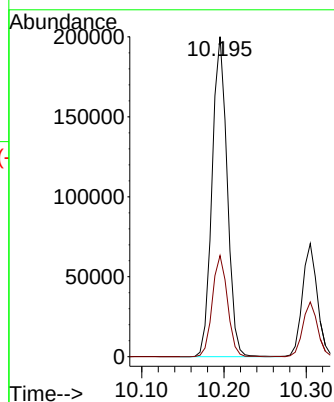
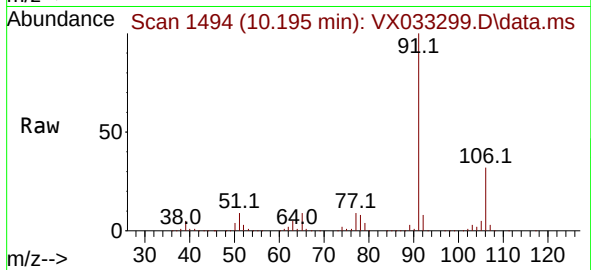




#67
Ethyl Benzene
Concen: 34.537 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

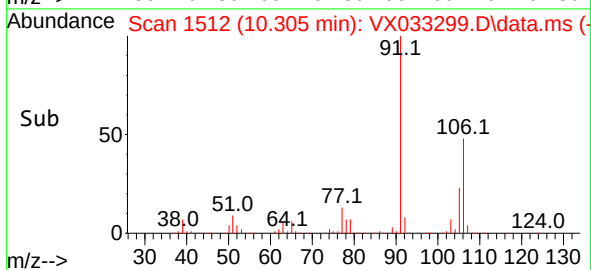
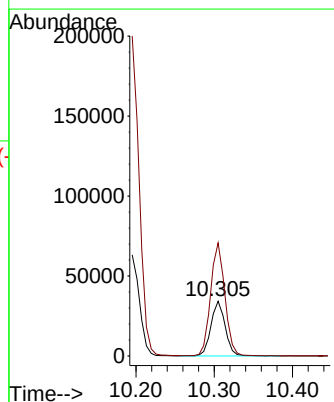
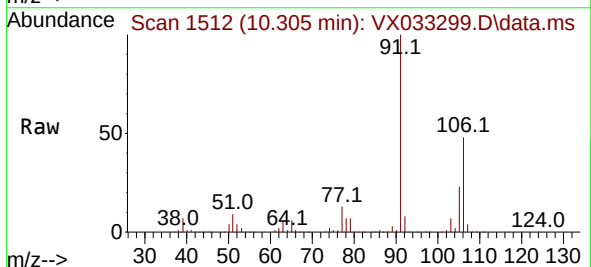
Instrument :
MSVOA_X
ClientSampleId :
MW-12

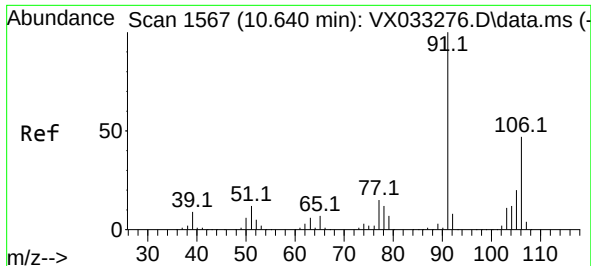
Tgt Ion: 91 Resp: 255522
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 14.914 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 106 Resp: 42930
Ion Ratio Lower Upper
106 100
91 207.3 164.5 246.7

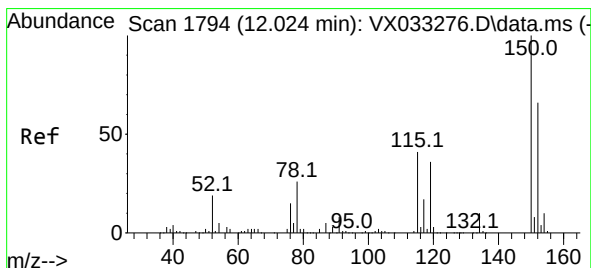
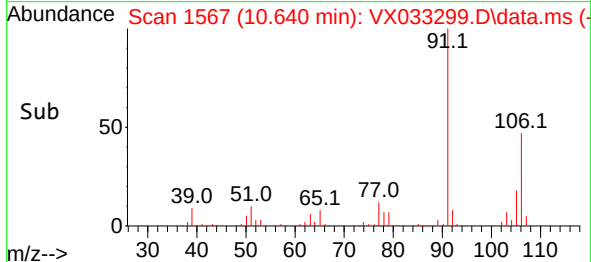
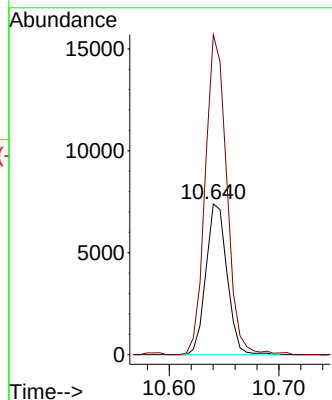
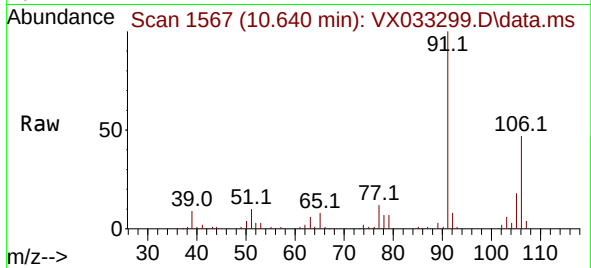




#69
o-Xylene
Concen: 3.474 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

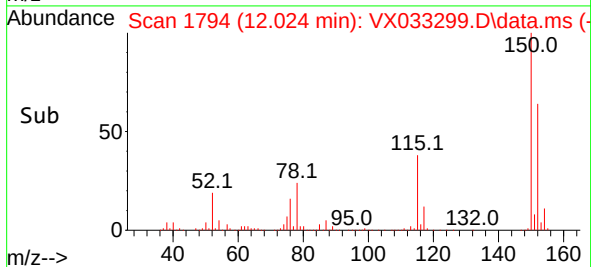
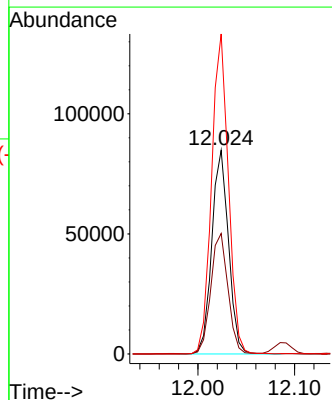
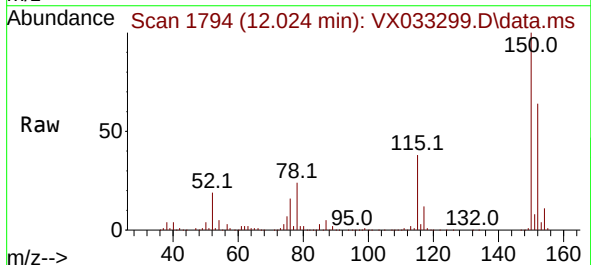
Instrument :
MSVOA_X
ClientSampleId :
MW-12

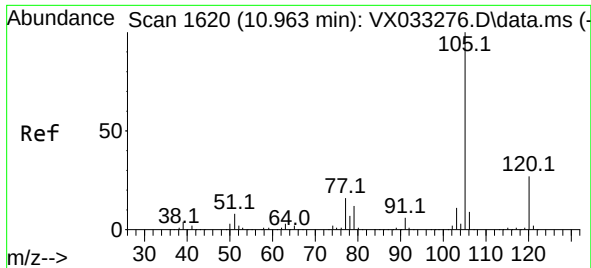
Tgt Ion:106 Resp: 9885
Ion Ratio Lower Upper
106 100
91 216.1 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion:152 Resp: 101929
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 157.7 0.0 351.8

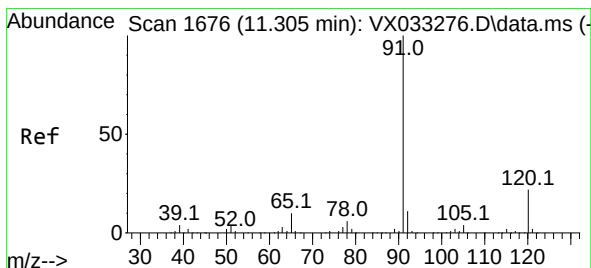
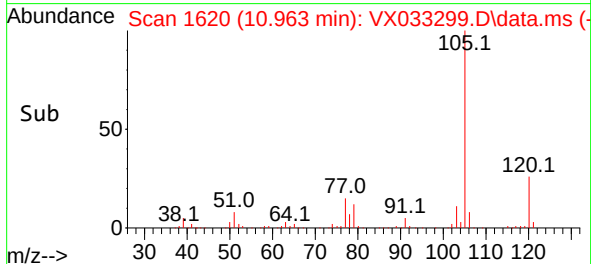
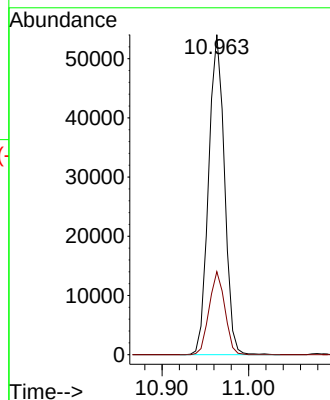
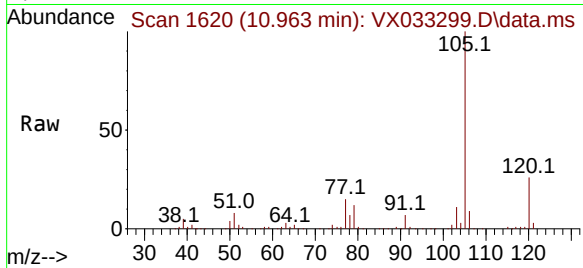




#73
Isopropylbenzene
Concen: 9.288 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

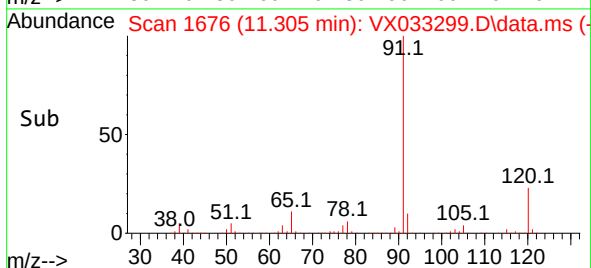
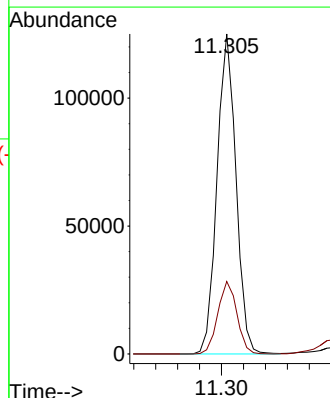
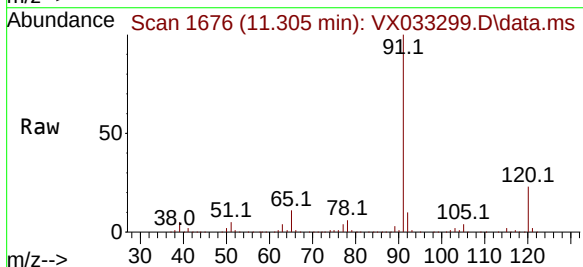
Instrument :
MSVOA_X
ClientSampleId :
MW-12

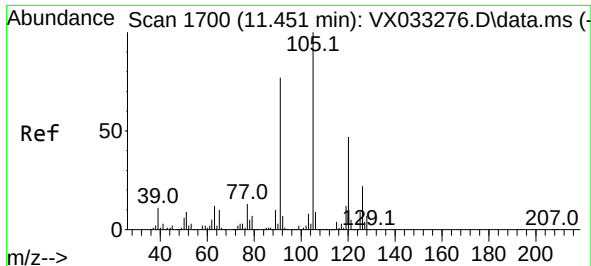
Tgt Ion:105 Resp: 68617
Ion Ratio Lower Upper
105 100
120 25.6 13.1 39.3



#78
n-propylbenzene
Concen: 18.223 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Tgt Ion: 91 Resp: 150329
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.8

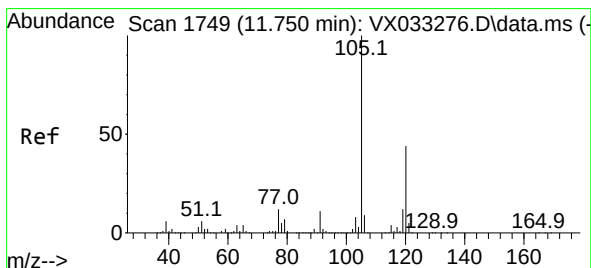
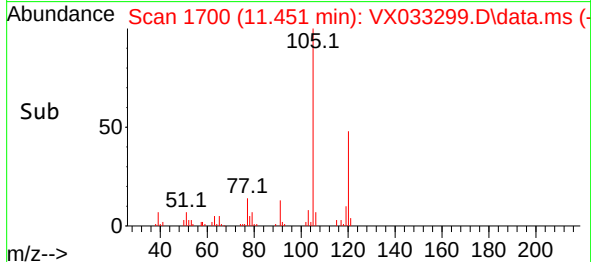
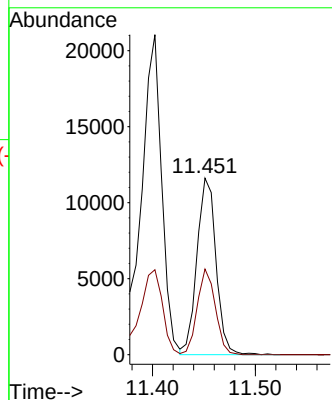
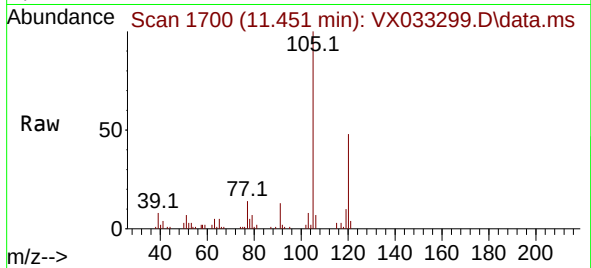




#80
 1,3,5-Trimethylbenzene
 Concen: 2.445 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033299.D
 Acq: 07 Dec 2022 22:14

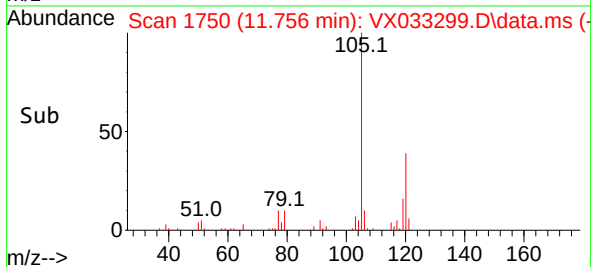
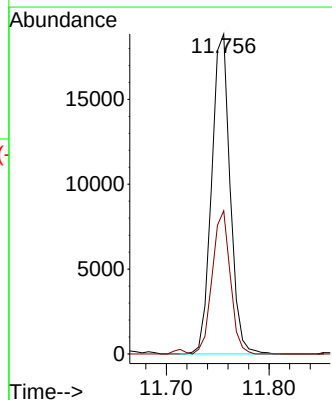
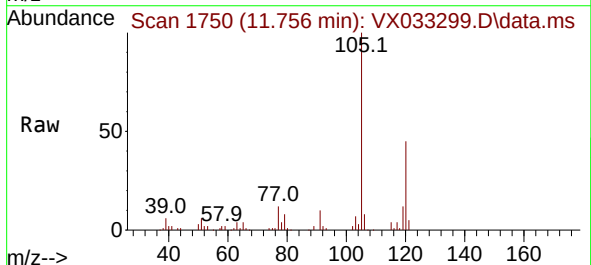
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

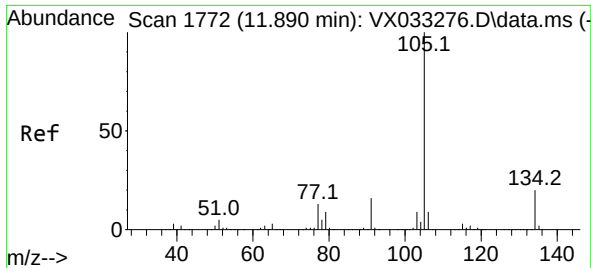
Tgt Ion:105 Resp: 15035
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 3.836 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX033299.D
 Acq: 07 Dec 2022 22:14

Tgt Ion:105 Resp: 23547
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.9 65.5

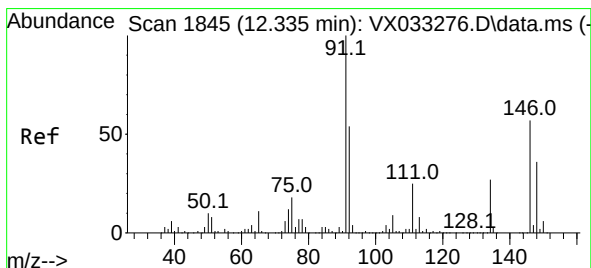
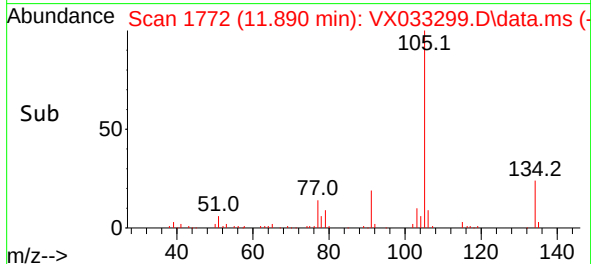
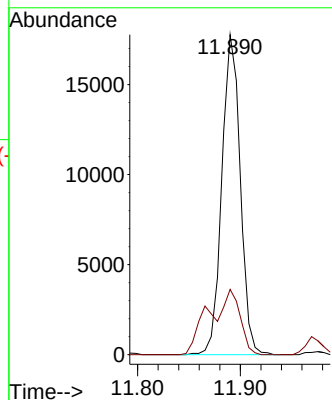
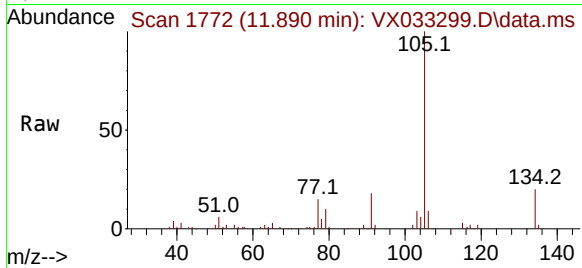




#85
 sec-Butylbenzene
 Concen: 3.084 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033299.D
 Acq: 07 Dec 2022 22:14

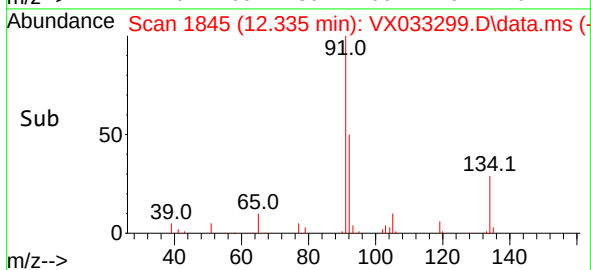
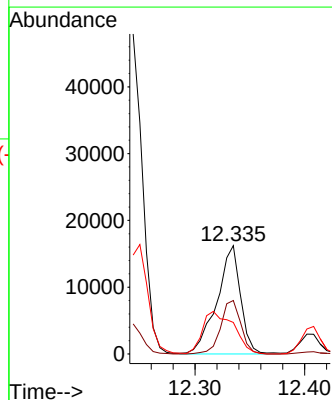
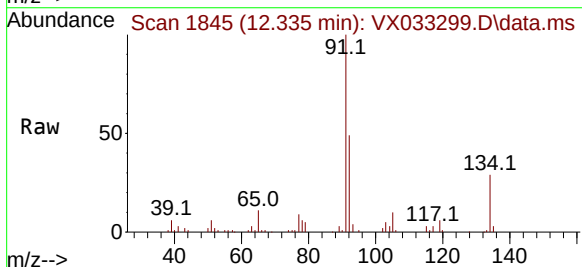
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

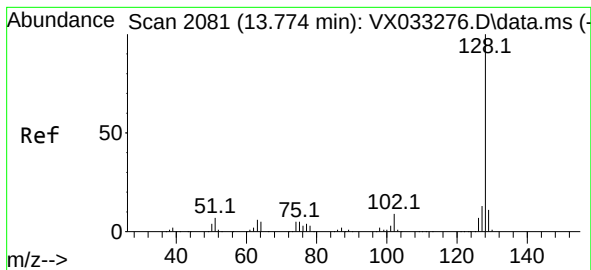
Tgt Ion:105 Resp: 22065
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.9 29.7



#89
 n-Butylbenzene
 Concen: 4.840 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX033299.D
 Acq: 07 Dec 2022 22:14

Tgt Ion: 91 Resp: 24456
 Ion Ratio Lower Upper
 91 100
 92 41.9 26.2 78.6
 134 51.6 12.9 38.6#





#95
Naphthalene
Concen: 54.201 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033299.D
Acq: 07 Dec 2022 22:14

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Tgt Ion:128 Resp: 368917
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.2 8.9 13.3

