

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120622\
 Data File : VX033269.D
 Acq On : 06 Dec 2022 19:18
 Operator : JC/MD
 Sample : N5859-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-0583

Quant Time: Dec 07 01:35:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

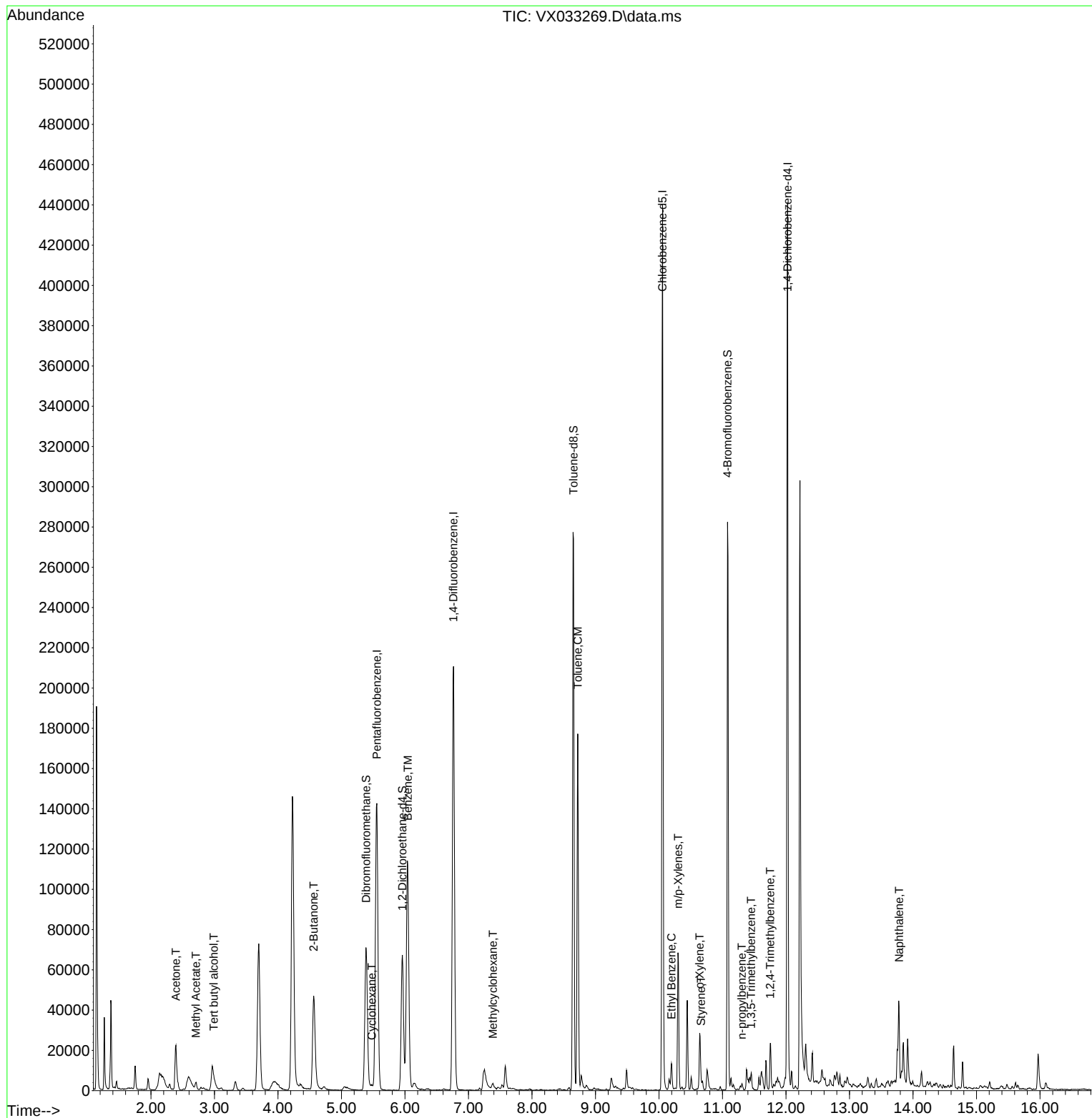
Internal Standards						
1) Pentafluorobenzene	5.556	168	137071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68390	51.131	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.260%		
35) Dibromofluoromethane	5.385	113	60592	49.245	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.500%		
50) Toluene-d8	8.653	98	169511	45.598	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 91.200%#		
62) 4-Bromofluorobenzene	11.079	95	74904	46.344	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.680%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.989	59	10722	50.670	ug/l	100
16) Acetone	2.392	43	28001	44.916	ug/l	97
18) Methyl Acetate	2.709	43	4359	2.526	ug/l	99
25) 2-Butanone	4.562	43	82924	96.465	ug/l	100
31) Cyclohexane	5.477	56	1674	0.774	ug/l	97
39) Methylcyclohexane	7.385	83	1326	0.591	ug/l	93
40) Benzene	6.044	78	138756	25.155	ug/l	97
52) Toluene	8.720	92	64214	17.695	ug/l	100
67) Ethyl Benzene	10.195	91	7655	1.131	ug/l	100
68) m/p-Xylenes	10.299	106	16579	6.255	ug/l	96
69) o-Xylene	10.640	106	5810	2.266	ug/l	98
70) Styrene	10.659	104	1952m	0.465	ug/l	
78) n-propylbenzene	11.305	91	1632	0.217	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	3682	0.665	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	10889	1.972	ug/l	93
95) Naphthalene	13.780	128	23734	4.023	ug/l	99

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

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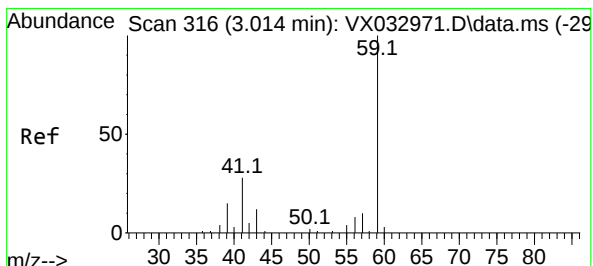
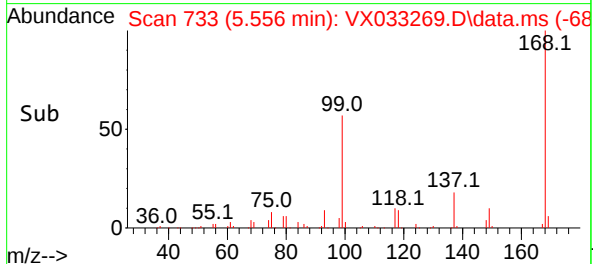
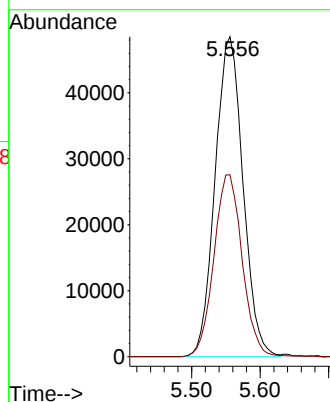
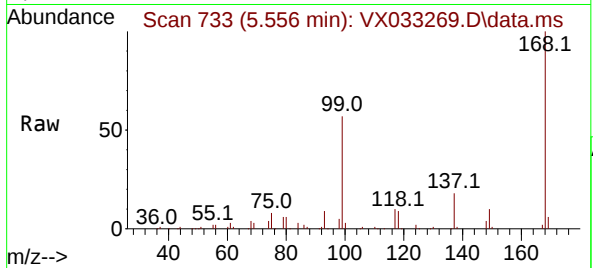




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

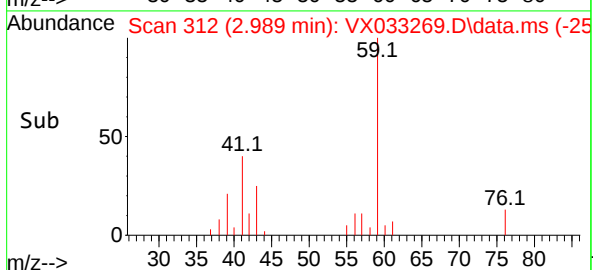
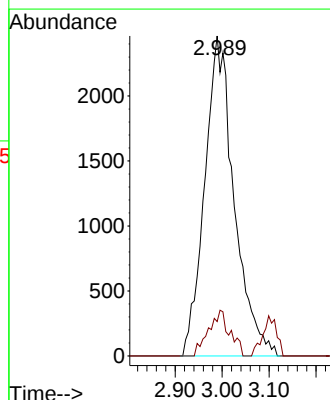
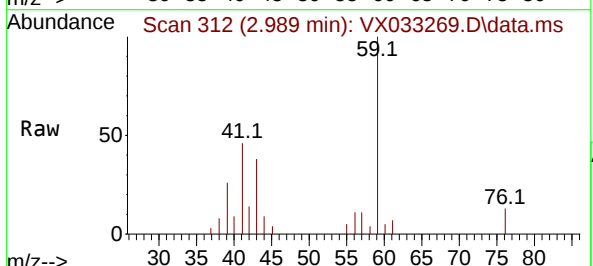
Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

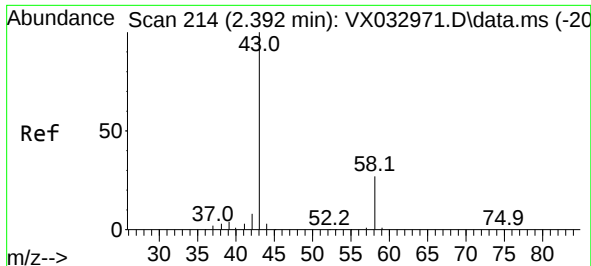
Tgt Ion:168 Resp: 137071
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1



#11
Tert butyl alcohol
Concen: 50.670 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion: 59 Resp: 10722
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

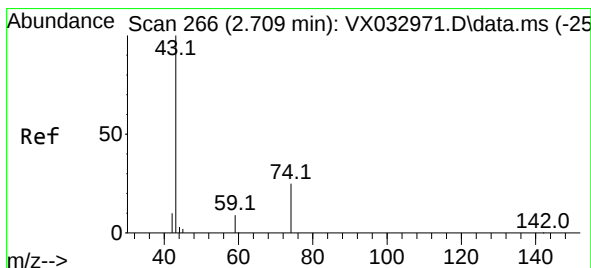
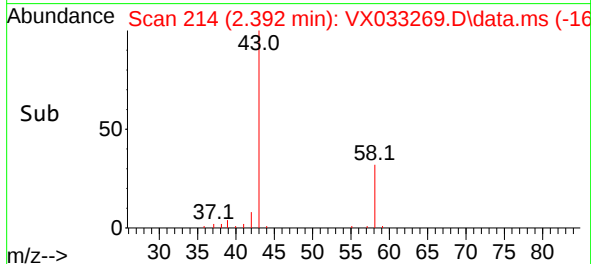
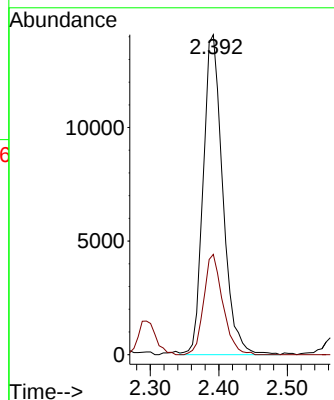
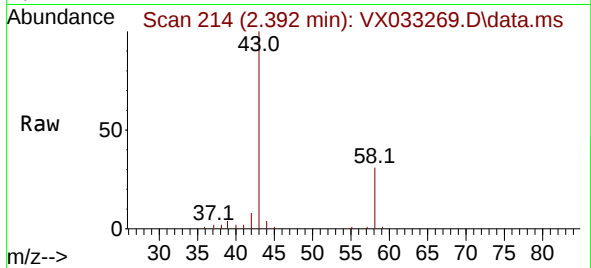




#16
Acetone
Concen: 44.916 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

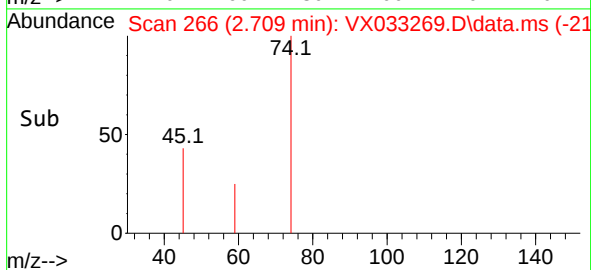
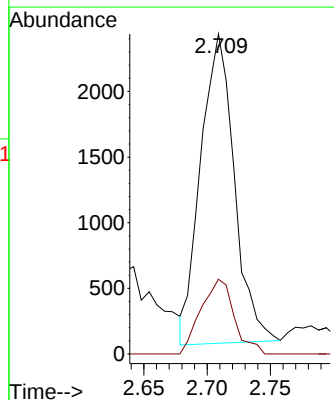
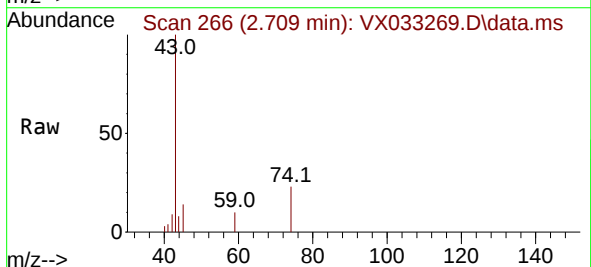
Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

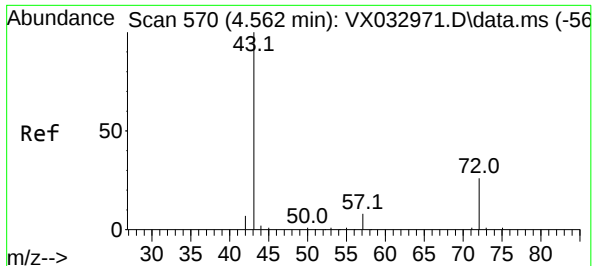
Tgt Ion: 43 Resp: 28001
Ion Ratio Lower Upper
43 100
58 31.3 23.8 35.8



#18
Methyl Acetate
Concen: 2.526 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion: 43 Resp: 4359
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.0





#25

2-Butanone

Concen: 96.465 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033269.D

Acq: 06 Dec 2022 19:18

Instrument :

MSVOA_X

ClientSampleId :

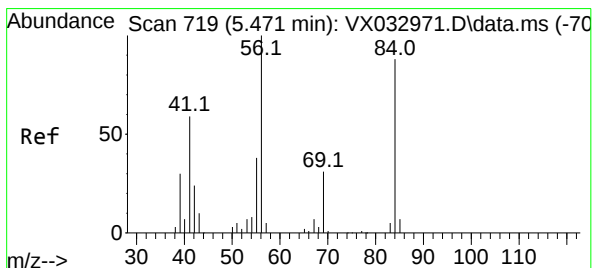
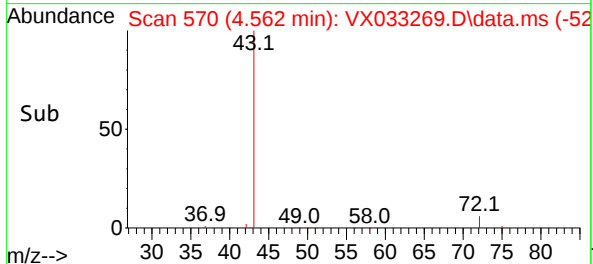
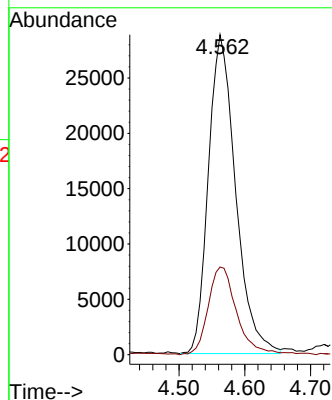
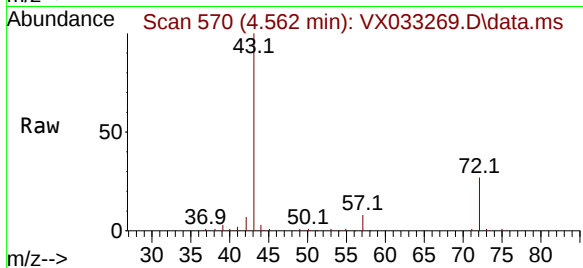
ORA-0583

Tgt Ion: 43 Resp: 82924

Ion Ratio Lower Upper

43 100

72 27.5 22.2 33.2



#31

Cyclohexane

Concen: 0.774 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.007 min

Lab File: VX033269.D

Acq: 06 Dec 2022 19:18

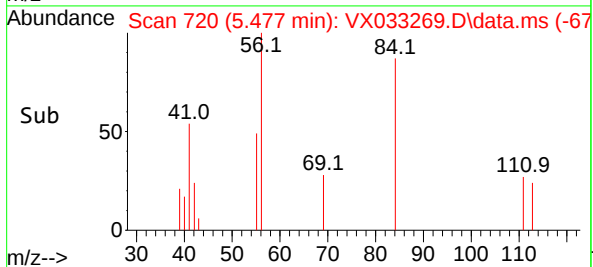
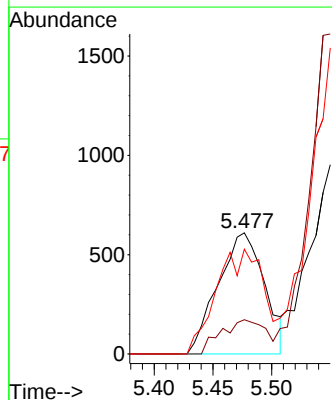
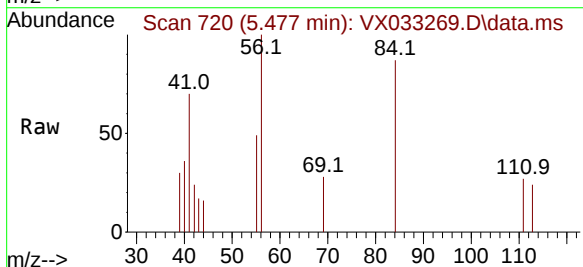
Tgt Ion: 56 Resp: 1674

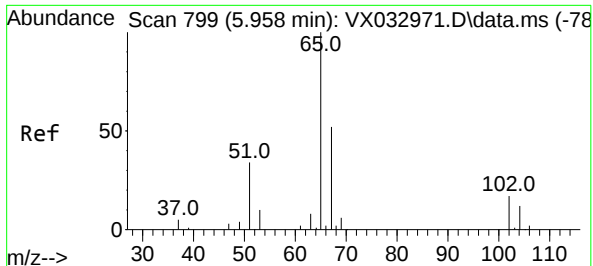
Ion Ratio Lower Upper

56 100

69 28.4 24.1 36.1

84 86.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.131 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033269.D

Acq: 06 Dec 2022 19:18

Instrument :

MSVOA_X

ClientSampleId :

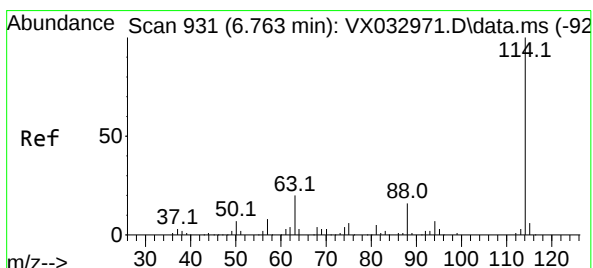
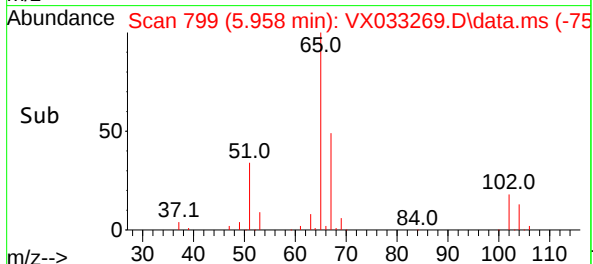
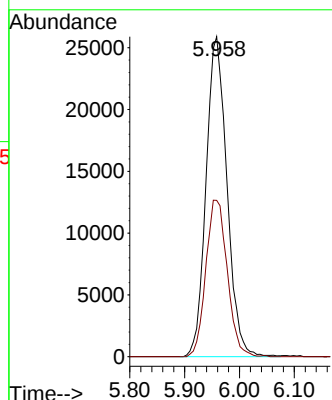
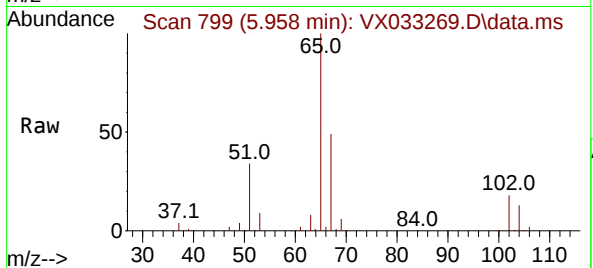
ORA-0583

Tgt Ion: 65 Resp: 68390

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033269.D

Acq: 06 Dec 2022 19:18

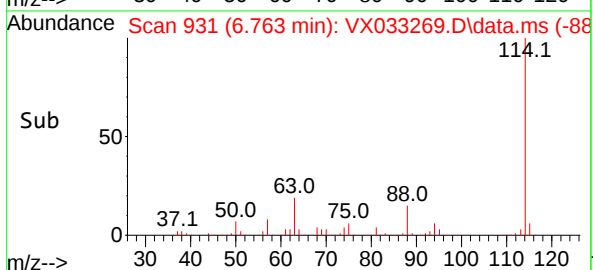
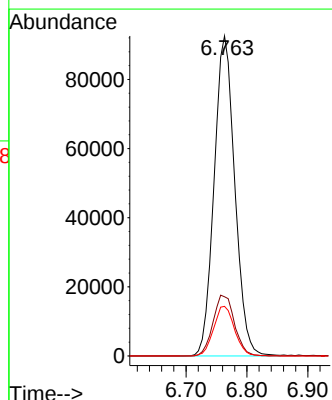
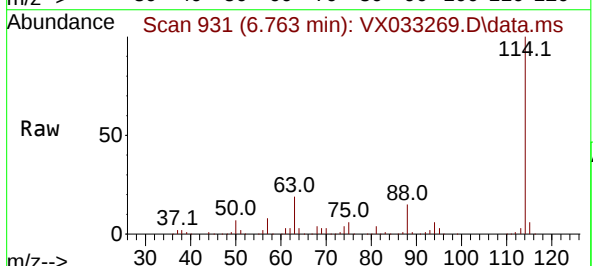
Tgt Ion: 114 Resp: 218249

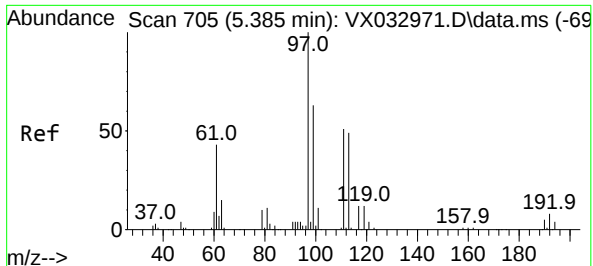
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.6

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.245 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033269.D

Acq: 06 Dec 2022 19:18

Instrument :

MSVOA_X

ClientSampleId :

ORA-0583

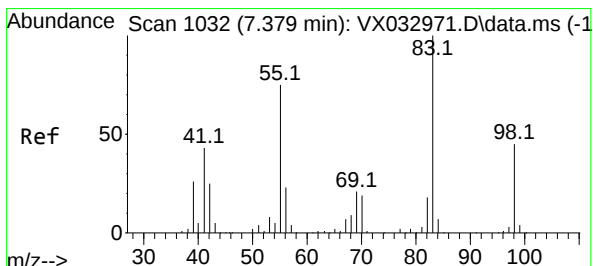
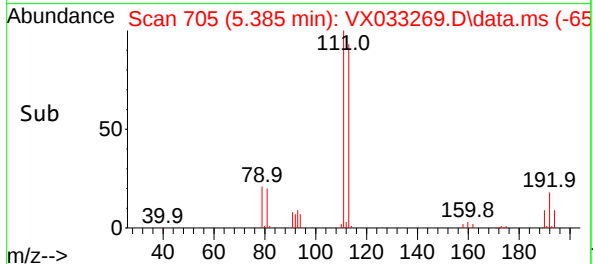
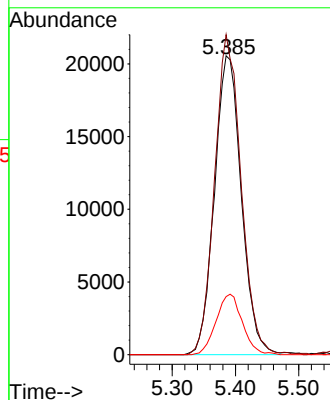
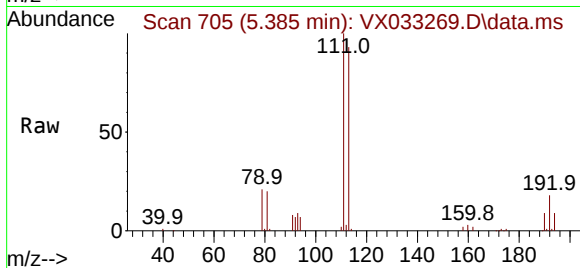
Tgt Ion:113 Resp: 60592

Ion Ratio Lower Upper

113 100

111 105.3 82.4 123.6

192 19.8 15.4 23.2



#39

Methylcyclohexane

Concen: 0.591 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX033269.D

Acq: 06 Dec 2022 19:18

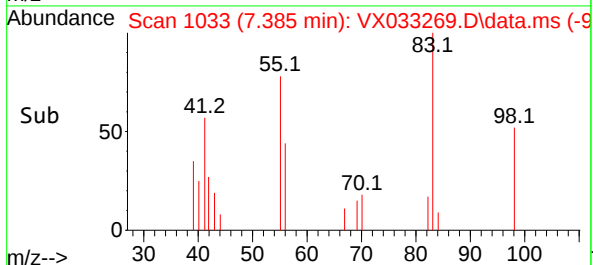
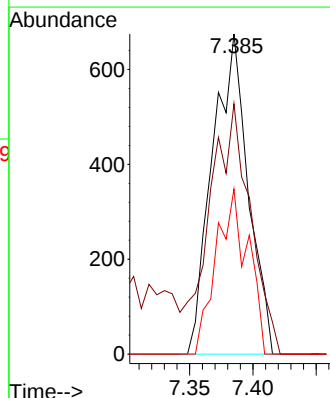
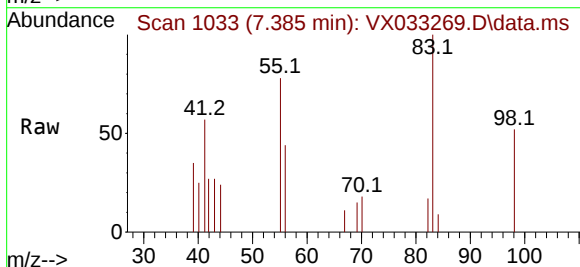
Tgt Ion: 83 Resp: 1326

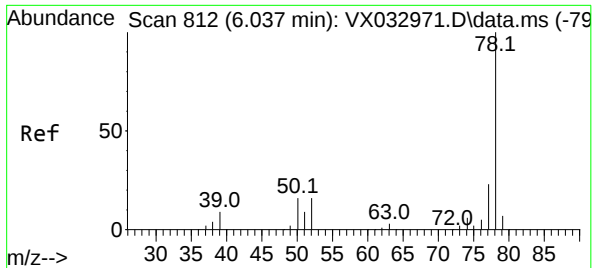
Ion Ratio Lower Upper

83 100

55 78.2 58.4 87.6

98 51.6 37.2 55.8

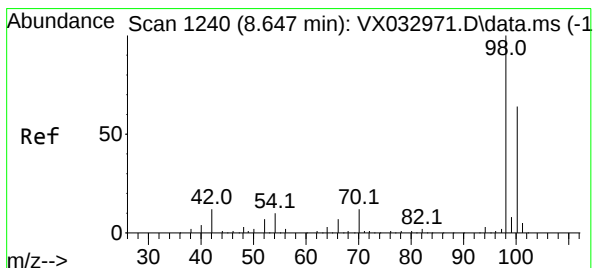
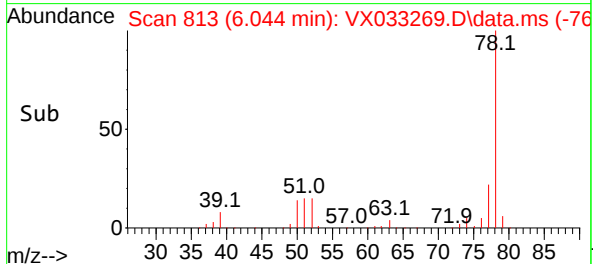
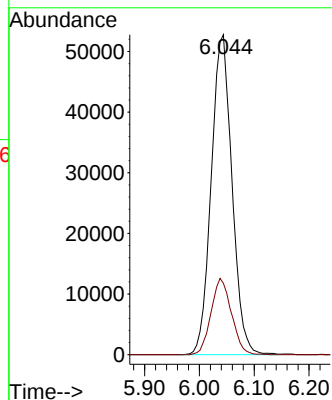
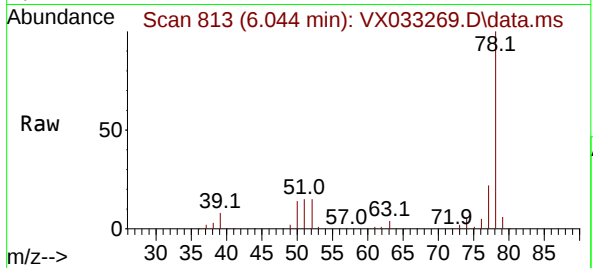




#40
Benzene
Concen: 25.155 ug/l
RT: 6.044 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

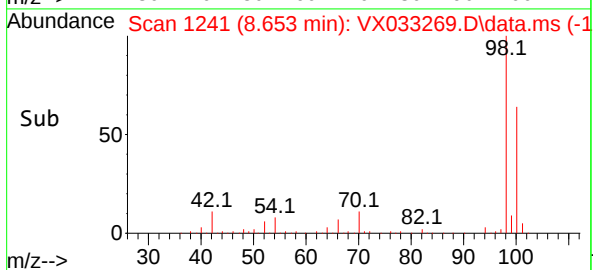
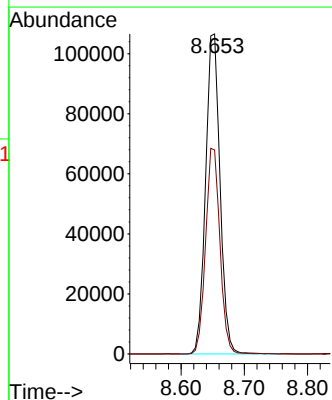
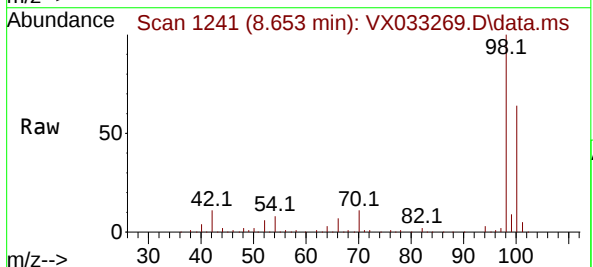
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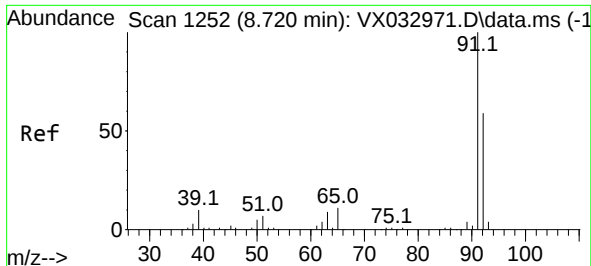
Tgt Ion: 78 Resp: 138756
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.4



#50
Toluene-d8
Concen: 45.598 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion: 98 Resp: 169511
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

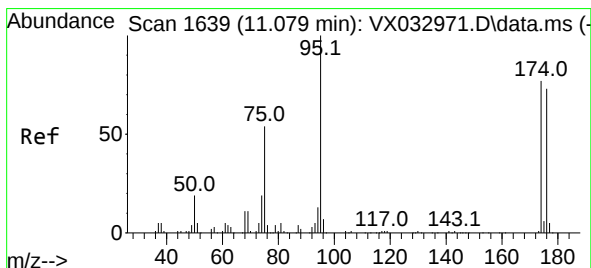
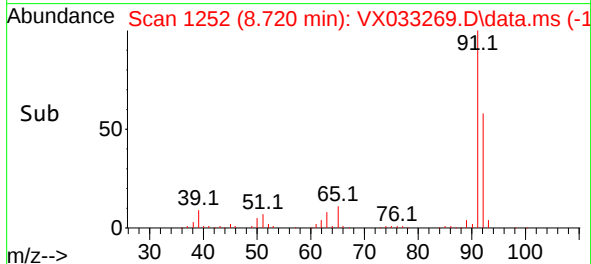
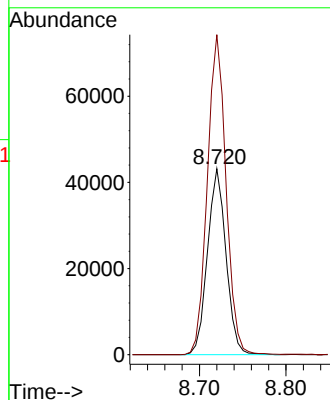
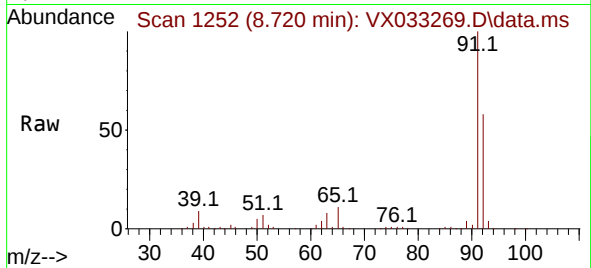




#52
Toluene
Concen: 17.695 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

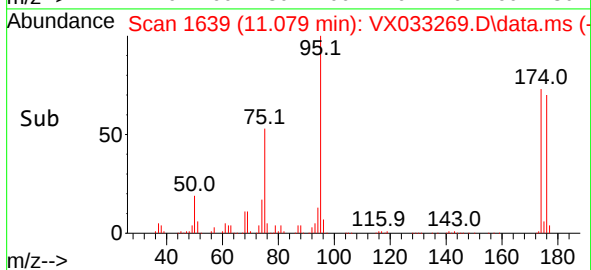
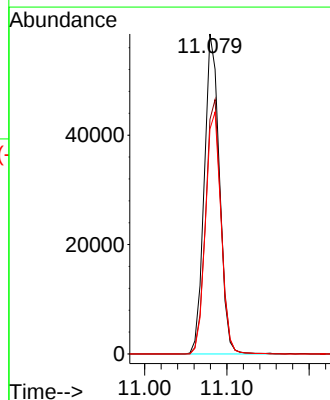
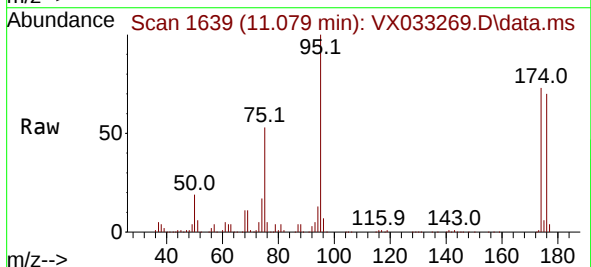
Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

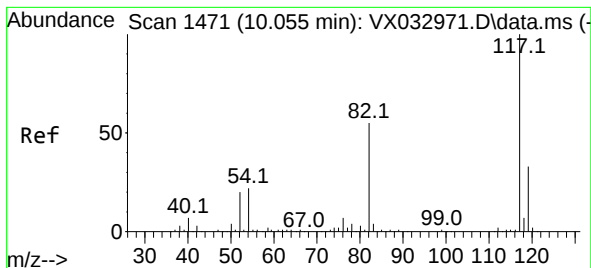
Tgt Ion: 92 Resp: 64214
Ion Ratio Lower Upper
92 100
91 173.2 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 46.344 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion: 95 Resp: 74904
Ion Ratio Lower Upper
95 100
174 80.6 0.0 164.0
176 77.6 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: VX033269.D

Acq: 06 Dec 2022 19:18

Instrument :

MSVOA_X

ClientSampleId :

ORA-0583

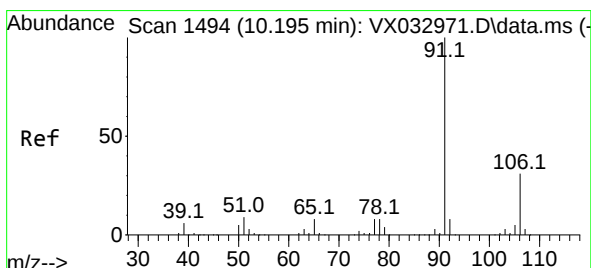
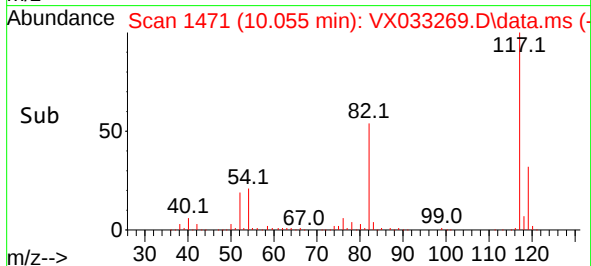
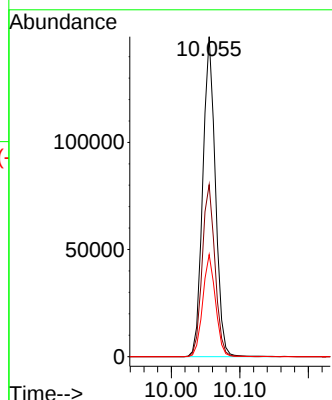
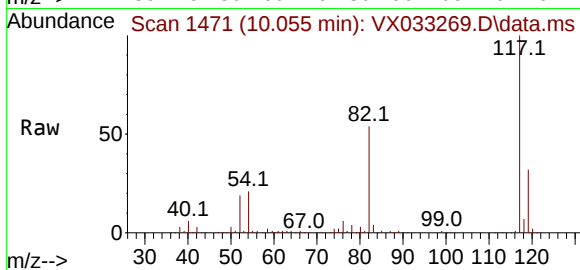
Tgt Ion:117 Resp: 191375

Ion Ratio Lower Upper

117 100

82 53.8 44.3 66.5

119 31.9 25.7 38.5



#67

Ethyl Benzene

Concen: 1.131 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033269.D

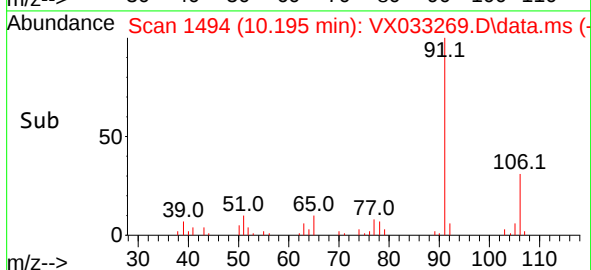
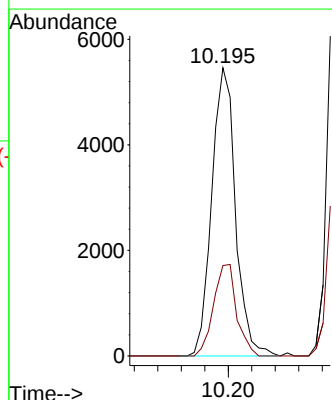
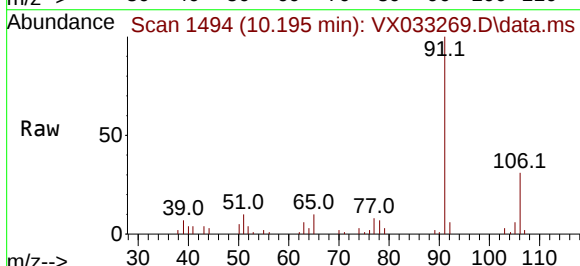
Acq: 06 Dec 2022 19:18

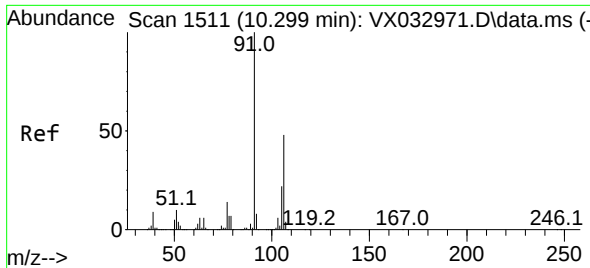
Tgt Ion: 91 Resp: 7655

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6

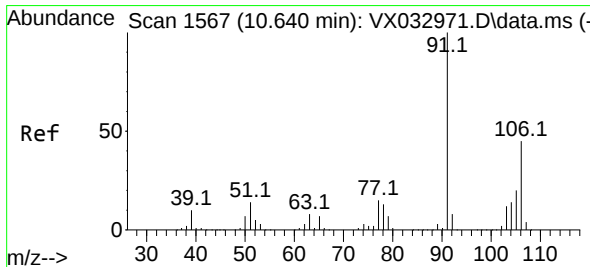
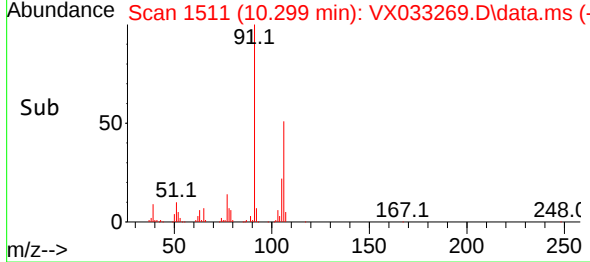
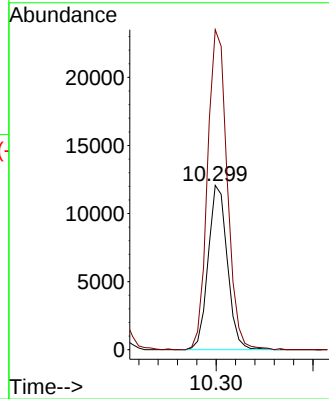
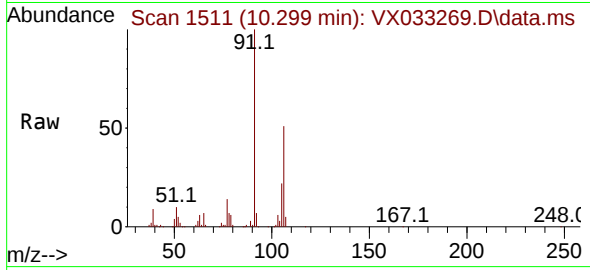




#68
m/p-Xylenes
Concen: 6.255 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

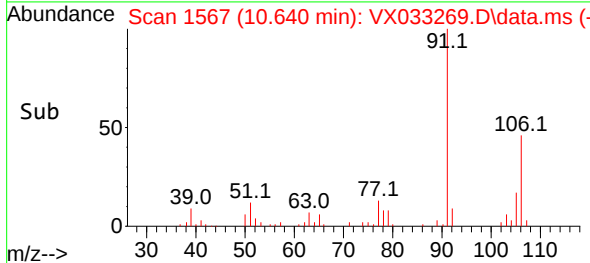
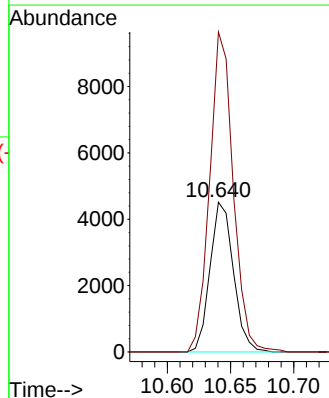
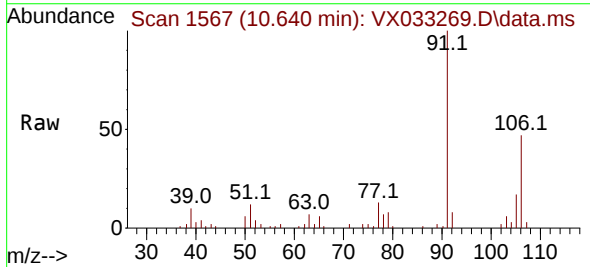
Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

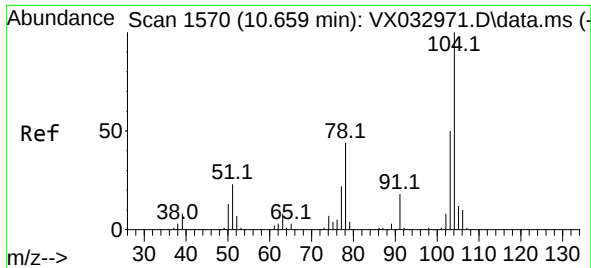
Tgt Ion:106 Resp: 16579
Ion Ratio Lower Upper
106 100
91 200.2 164.5 246.7



#69
o-Xylene
Concen: 2.266 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion:106 Resp: 5810
Ion Ratio Lower Upper
106 100
91 215.1 109.2 327.6

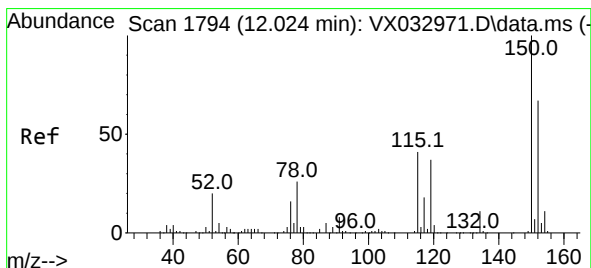
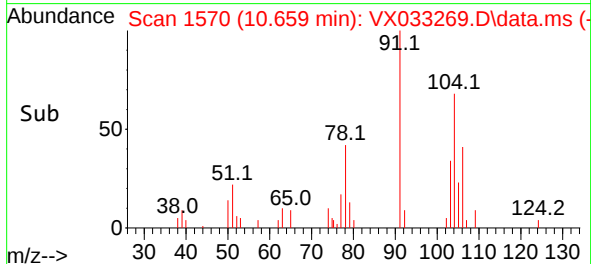
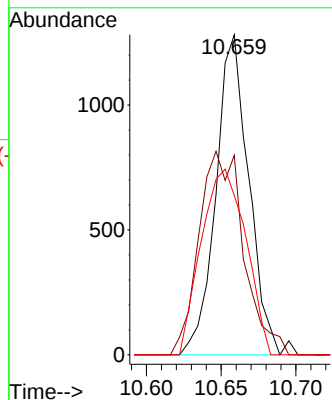
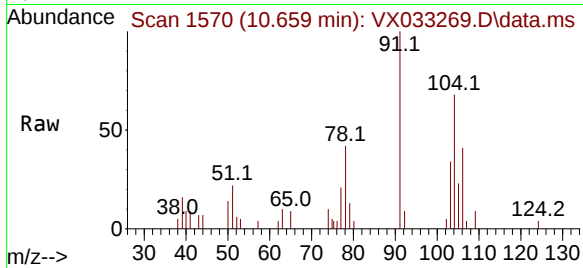




#70
Styrene
Concen: 0.465 ug/l m
RT: 10.659 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

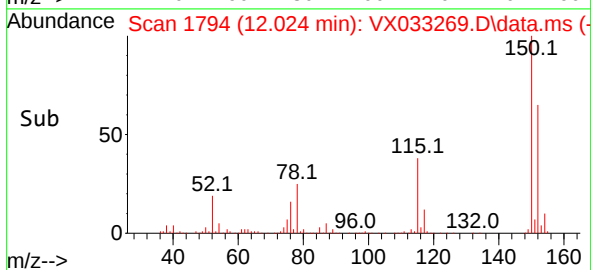
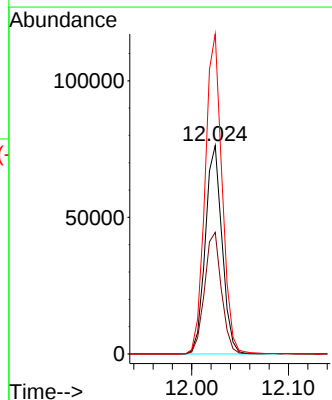
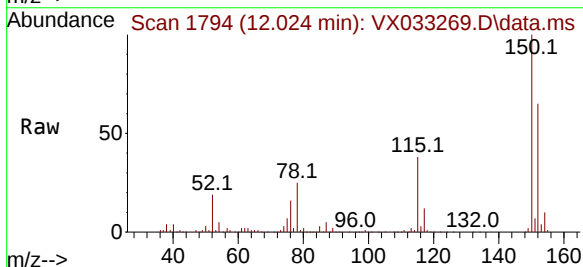
Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

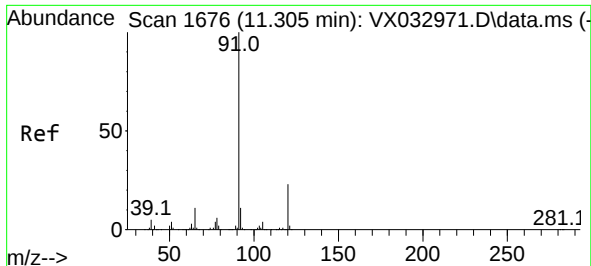
Tgt Ion:104 Resp: 1952
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.8#
103 0.0 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion:152 Resp: 92254
Ion Ratio Lower Upper
152 100
115 58.8 44.0 132.0
150 155.1 0.0 351.8

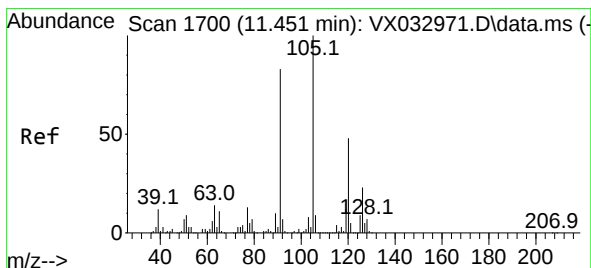
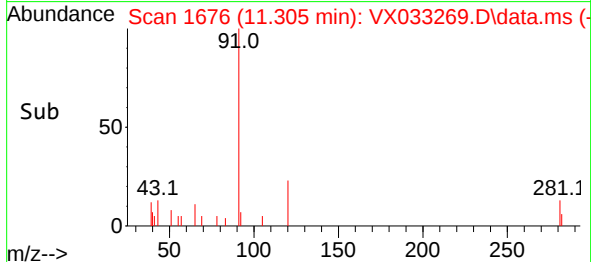
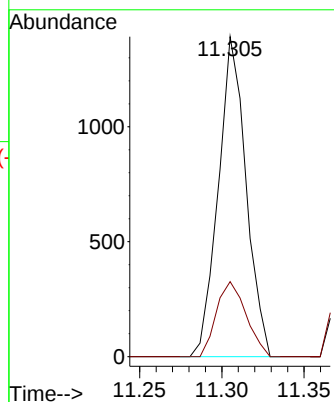
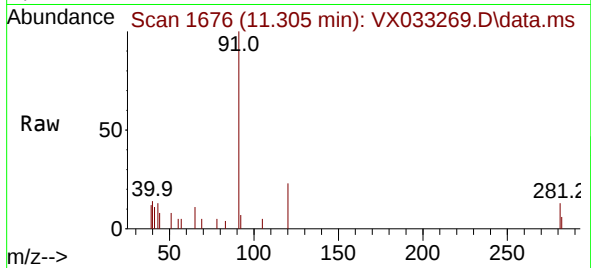




#78
n-propylbenzene
Concen: 0.217 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

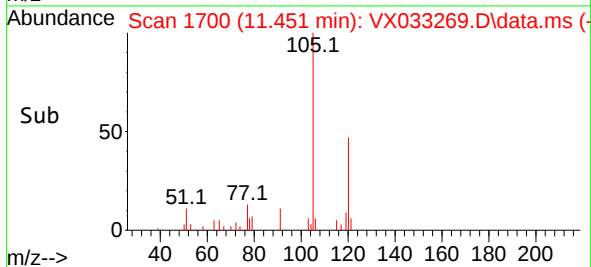
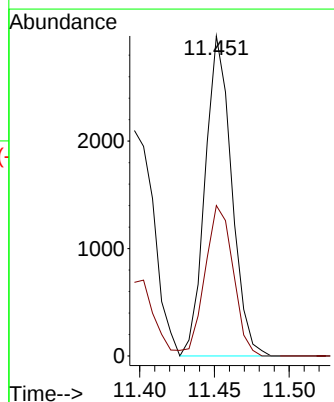
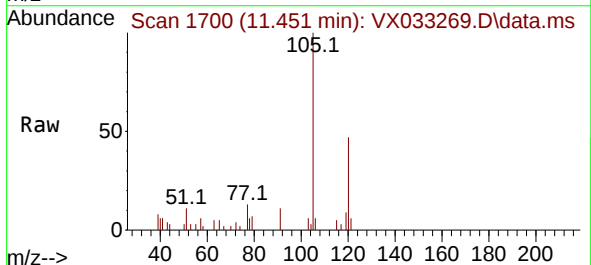
Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

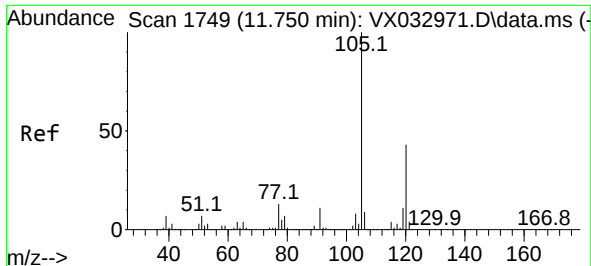
Tgt Ion: 91 Resp: 1632
Ion Ratio Lower Upper
91 100
120 25.0 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 0.665 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion: 105 Resp: 3682
Ion Ratio Lower Upper
105 100
120 49.6 23.6 71.0

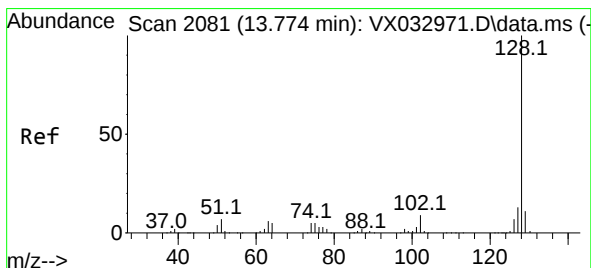
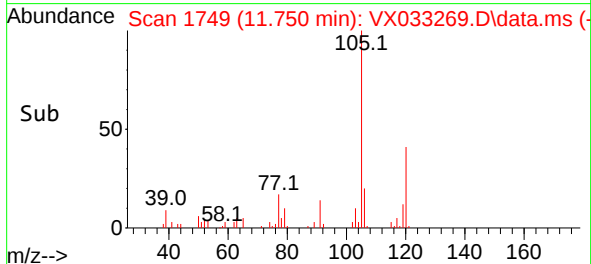
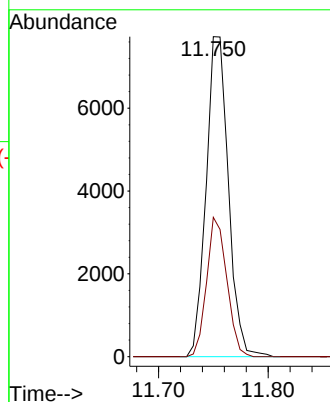
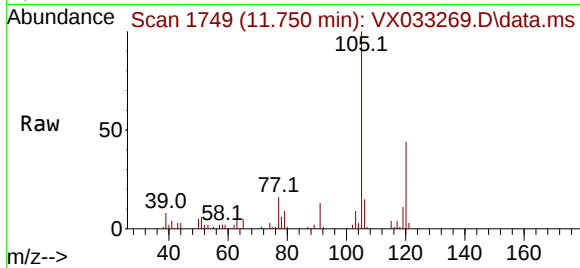




#84
1,2,4-Trimethylbenzene
Concen: 1.972 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Instrument :
MSVOA_X
ClientSampleId :
ORA-0583

Tgt Ion:105 Resp: 10889
Ion Ratio Lower Upper
105 100
120 39.4 21.9 65.5



#95
Naphthalene
Concen: 4.023 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX033269.D
Acq: 06 Dec 2022 19:18

Tgt Ion:128 Resp: 23734
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.7 8.9 13.3

