

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031357.D
 Acq On : 15 Sep 2022 16:35
 Operator : JC/MD
 Sample : N4588-01ME 20X
 Misc : 5.07g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1647ME

Quant Time: Sep 16 04:54:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

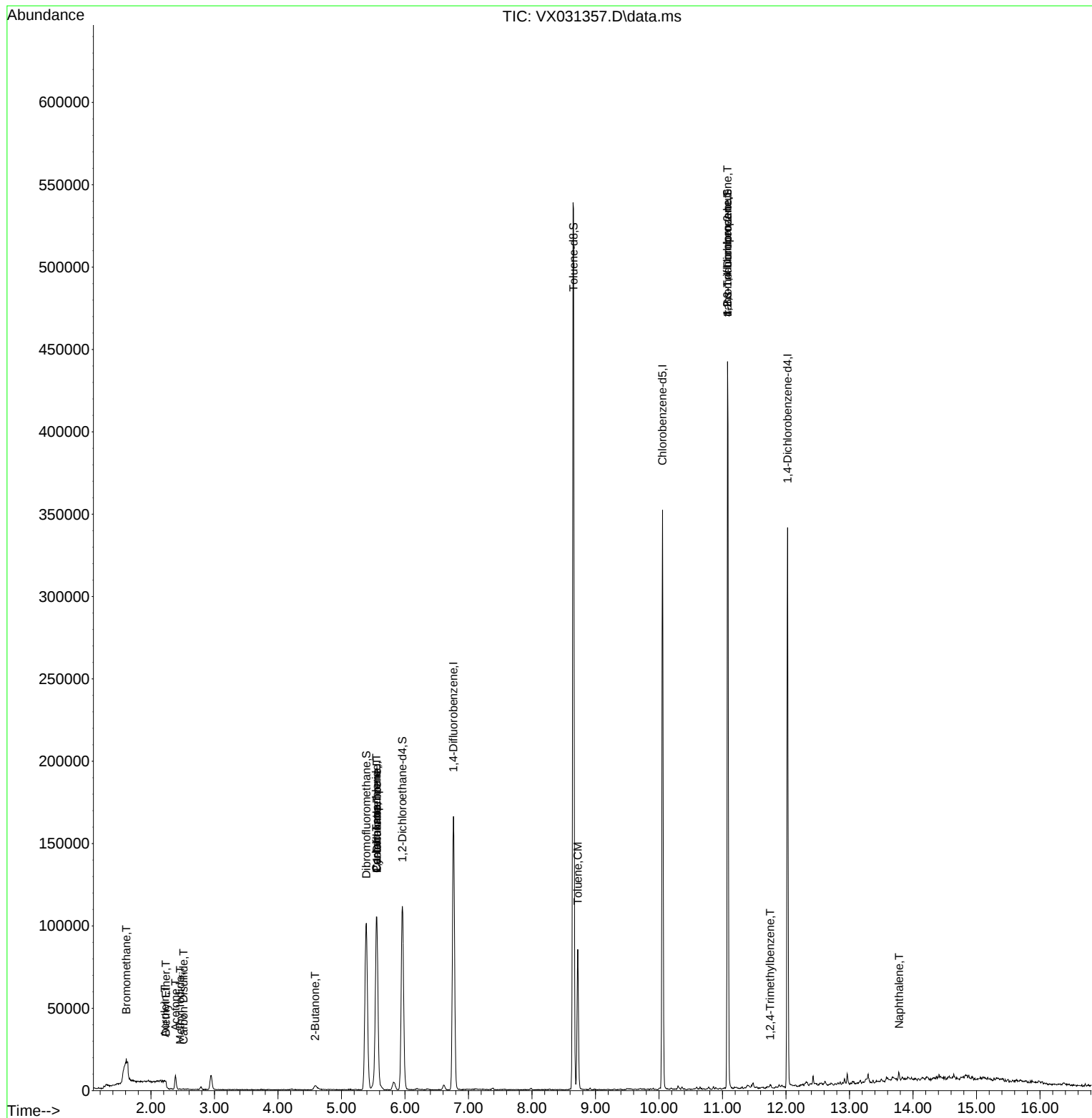
Internal Standards						
1) Pentafluorobenzene	5.556	168	99540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	167094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103748	42.463	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.920%		
35) Dibromofluoromethane	5.391	113	83539	46.510	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.020%		
50) Toluene-d8	8.653	98	318500	47.272	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.540%		
62) 4-Bromofluorobenzene	11.079	95	100627	40.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.580%#		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	205	Below Cal		93
5) Bromomethane	1.612	94	895	0.686 ug/l #		39
8) Diethyl Ether	2.233	74	19	0.542 ug/l #		1
10) Methyl Iodide	2.459	142	292	1.087 ug/l #		46
11) Tert butyl alcohol	2.947	59	5116	Below Cal #		73
13) Acrolein	2.221	56	243	0.862 ug/l #		1
16) Acetone	2.386	43	8754	8.393 ug/l		96
17) Carbon Disulfide	2.514	76	329	0.977 ug/l #		75
20) Methylene Chloride	2.788	84	645	Below Cal #		80
21) trans-1,2-Dichloroethene	3.215	96	24	Below Cal #		1
25) 2-Butanone	4.587	43	1180	0.686 ug/l #		49
31) Cyclohexane	5.556	56	3561	1.357 ug/l #		32
36) 1,1-Dichloropropene	5.556	75	8845	3.598 ug/l #		50
38) Carbon Tetrachloride	5.550	117	10060	3.765 ug/l #		16
52) Toluene	8.720	92	31387	7.028 ug/l		99
76) 1,2,3-Trichloropropane	11.079	75	57545	35.505 ug/l #		37
81) trans-1,4-Dichloro-2-b...	11.079	75	57545	98.242 ug/l #		11
84) 1,2,4-Trimethylbenzene	11.750	105	949	0.240 ug/l		91
95) Naphthalene	13.780	128	3428	0.741 ug/l #		91

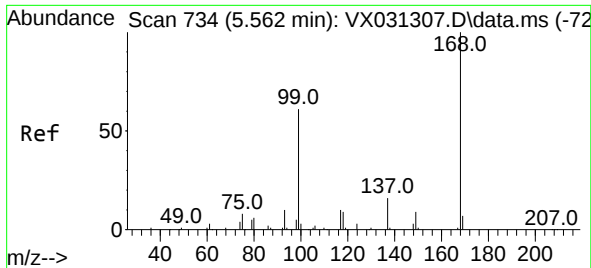
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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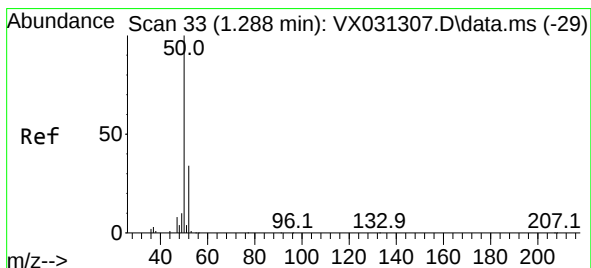
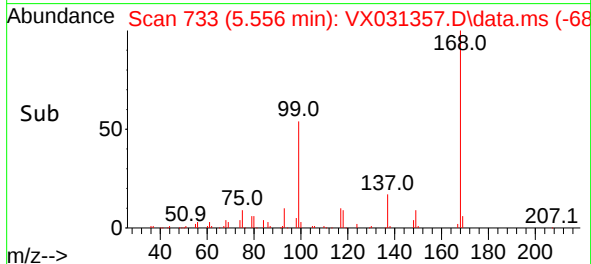
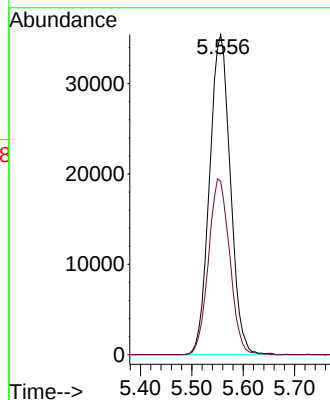
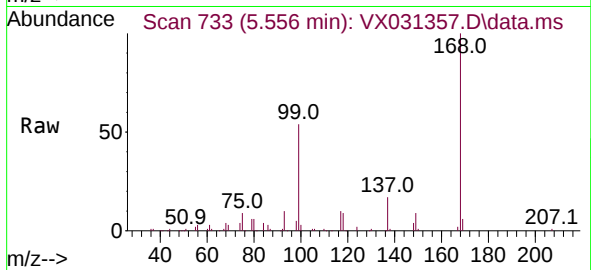




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

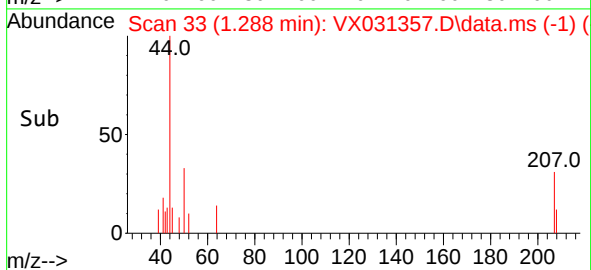
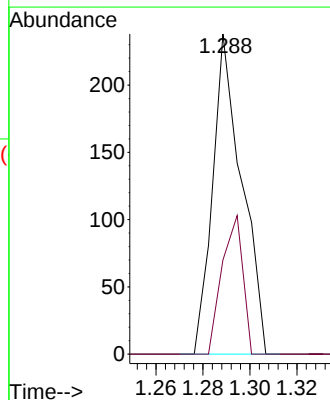
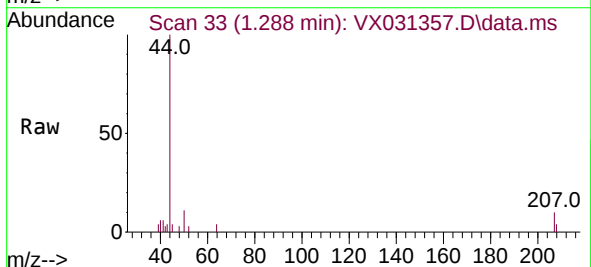
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

Tgt Ion:168 Resp: 99540
Ion Ratio Lower Upper
168 100
99 54.2 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 50 Resp: 205
Ion Ratio Lower Upper
50 100
52 29.4 26.9 40.3

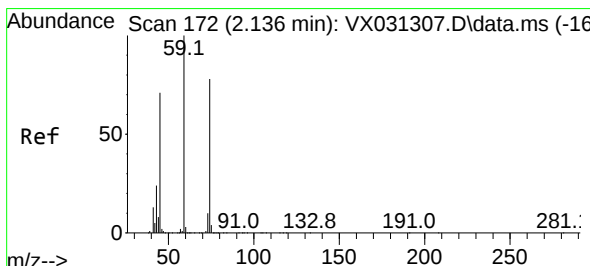
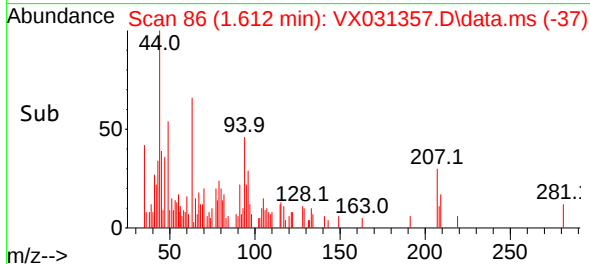
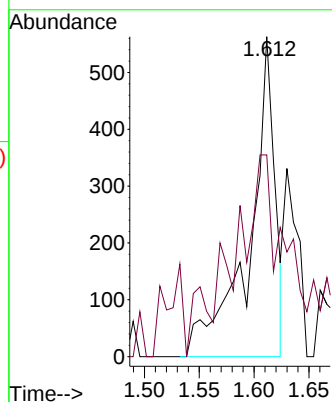
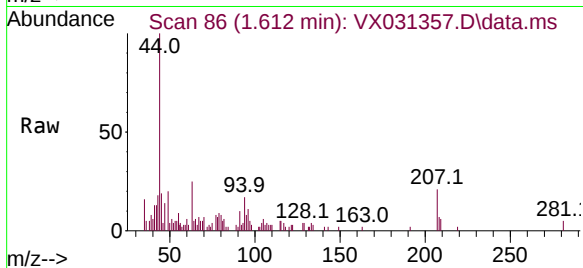




#5
Bromomethane
Concen: 0.686 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

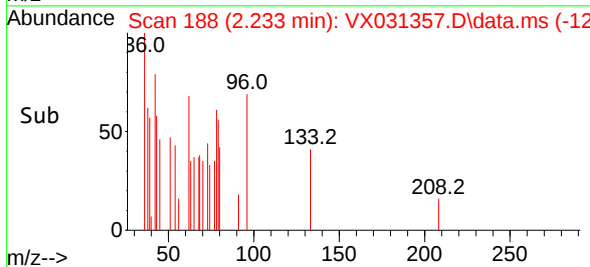
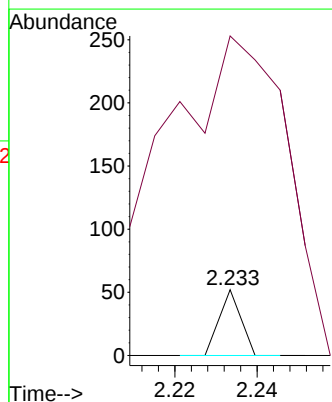
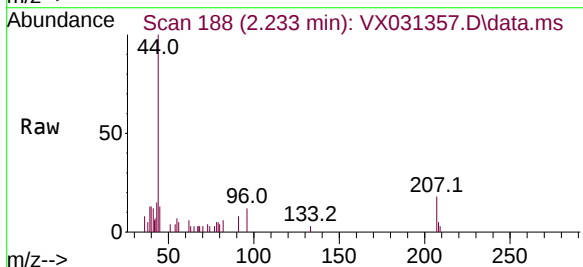
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

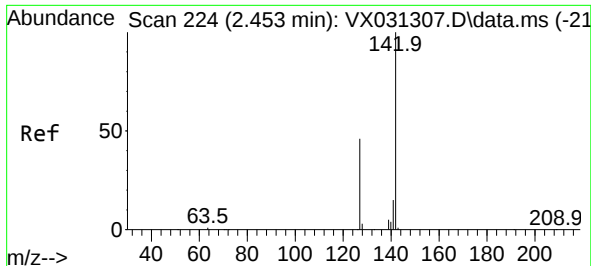
Tgt Ion: 94 Resp: 895
Ion Ratio Lower Upper
94 100
96 34.1 74.4 111.6#



#8
Diethyl Ether
Concen: 0.542 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.097 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 2236.8 48.5 145.6#





#10

Methyl Iodide

Concen: 1.087 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031357.D

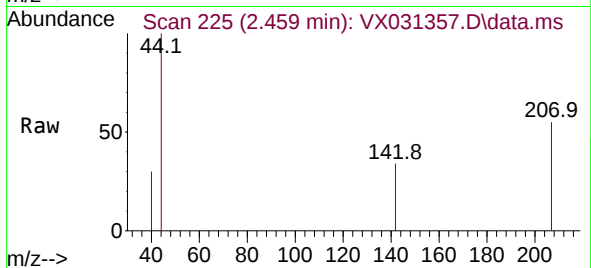
Acq: 15 Sep 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

AUD-1647ME



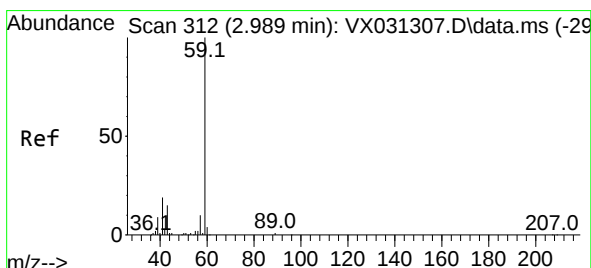
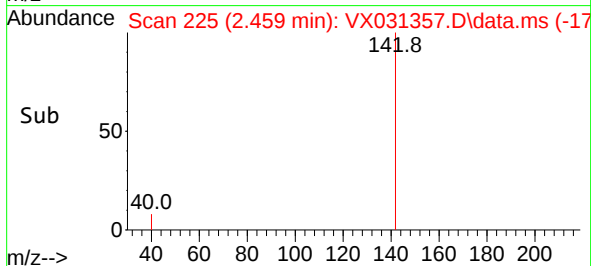
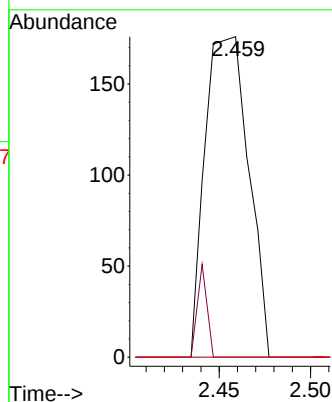
Tgt Ion:142 Resp: 292

Ion Ratio Lower Upper

142 100

127 6.5 37.4 56.0#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031357.D

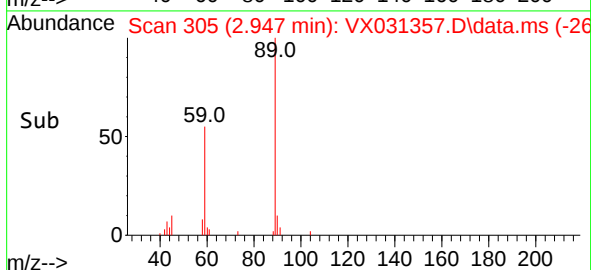
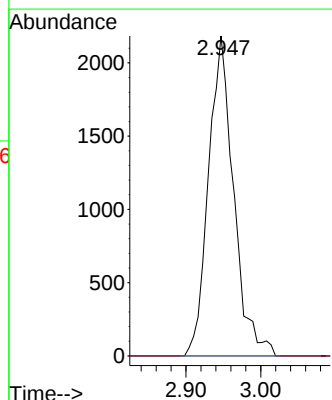
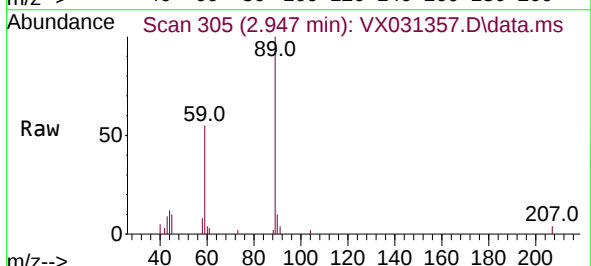
Acq: 15 Sep 2022 16:35

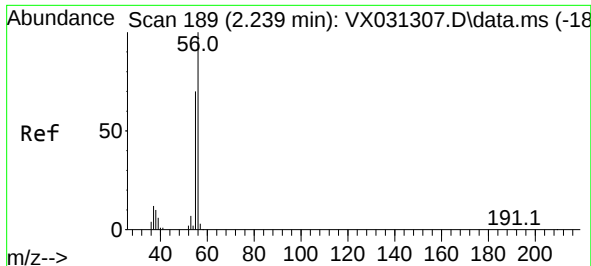
Tgt Ion: 59 Resp: 5116

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

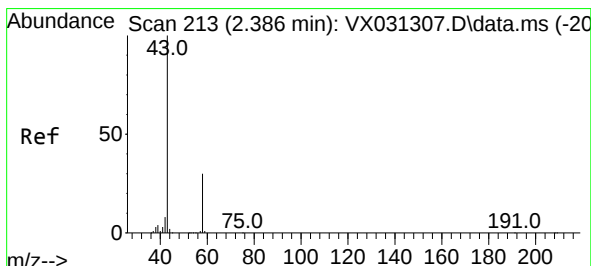
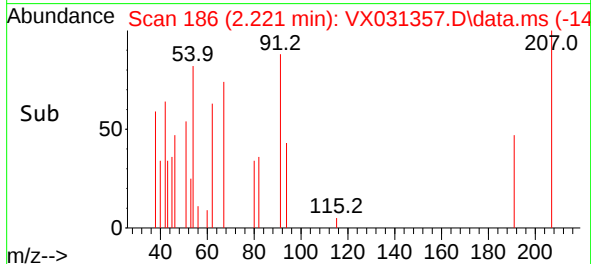
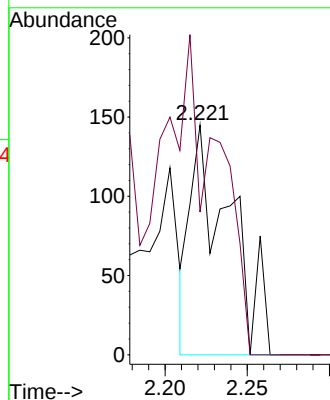
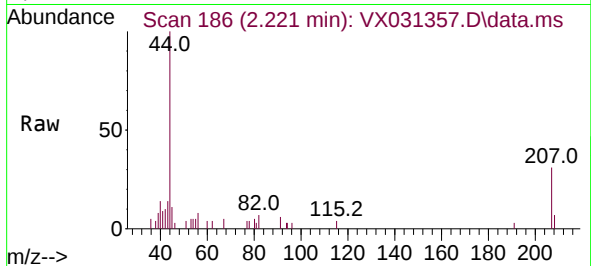




#13
Acrolein
Concen: 0.862 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

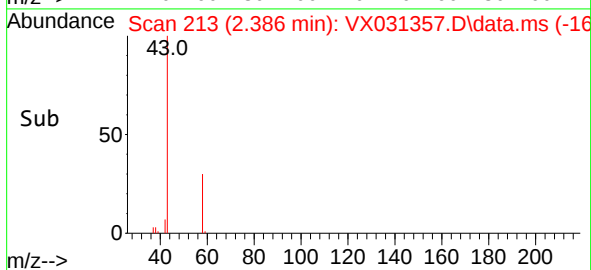
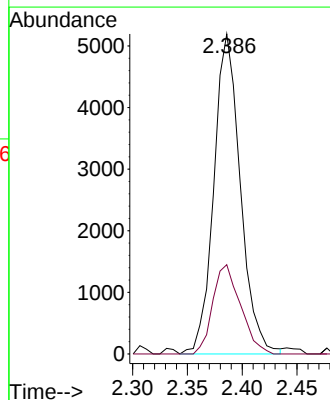
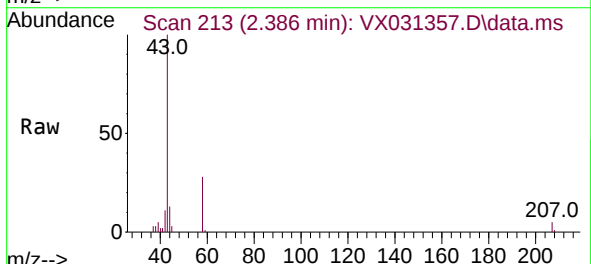
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

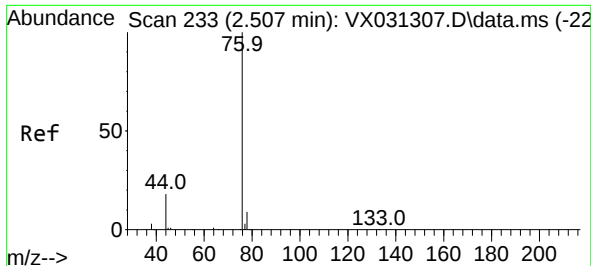
Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 188.1 56.0 84.0#



#16
Acetone
Concen: 8.393 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 43 Resp: 8754
Ion Ratio Lower Upper
43 100
58 27.9 23.8 35.8





#17

Carbon Disulfide

Concen: 0.977 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX031357.D

Acq: 15 Sep 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

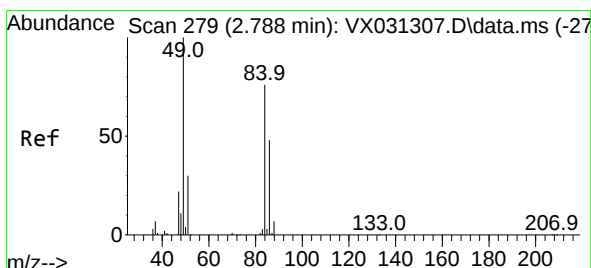
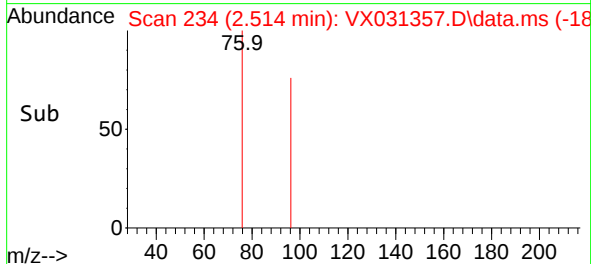
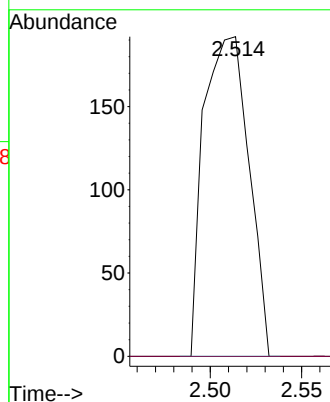
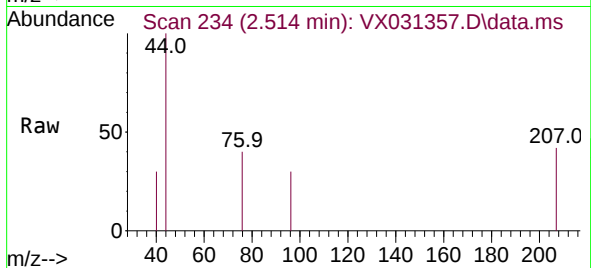
AUD-1647ME

Tgt Ion: 76 Resp: 329

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX031357.D

Acq: 15 Sep 2022 16:35

Tgt Ion: 84 Resp: 645

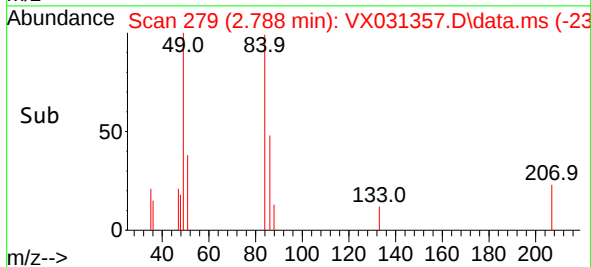
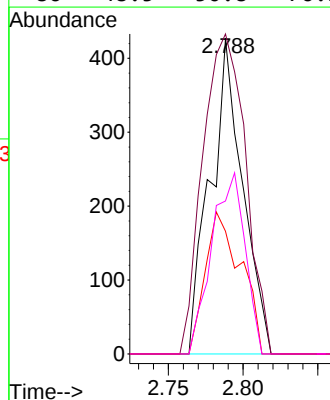
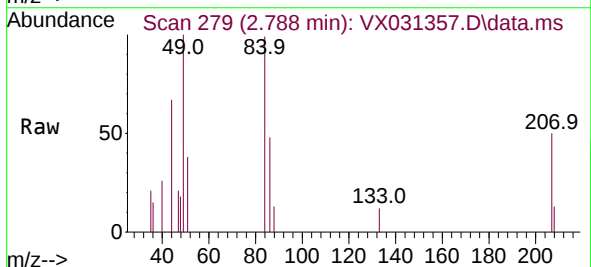
Ion Ratio Lower Upper

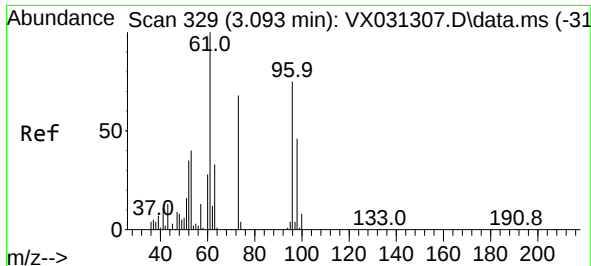
84 100

49 101.4 105.9 158.9#

51 38.9 32.2 48.2

86 48.5 50.8 76.2#

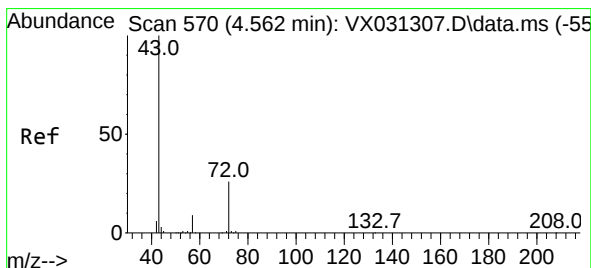
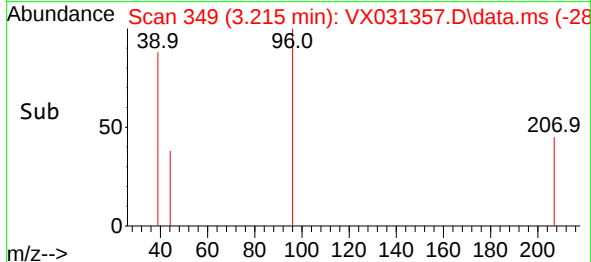
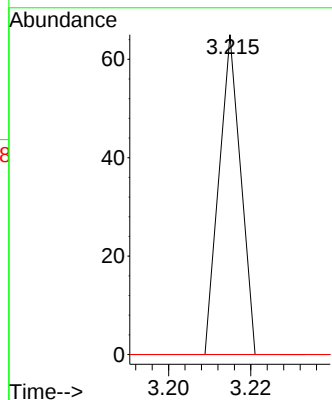
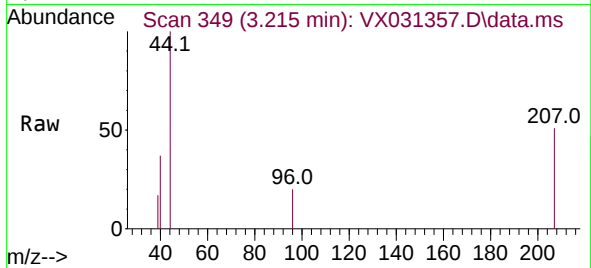




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.215 min Scan# 34
Delta R.T. 0.122 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

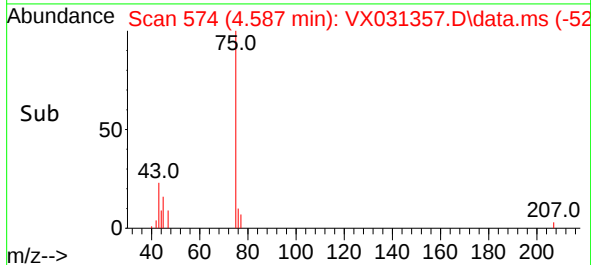
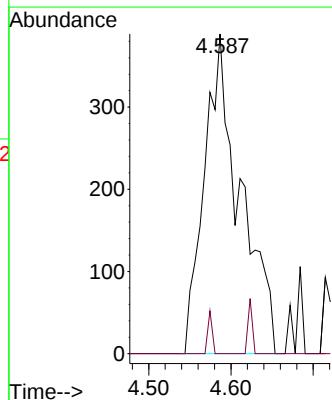
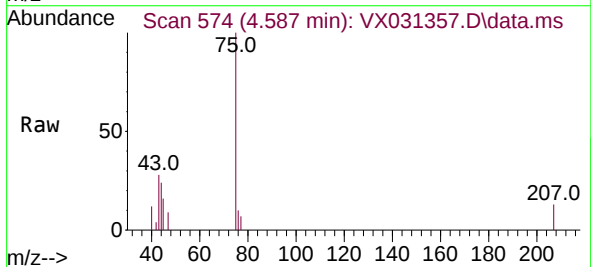
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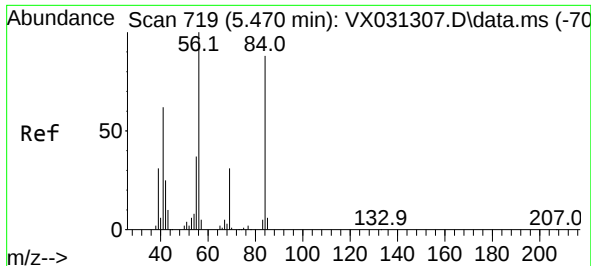
Tgt Ion: 96 Resp: 24
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 0.686 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

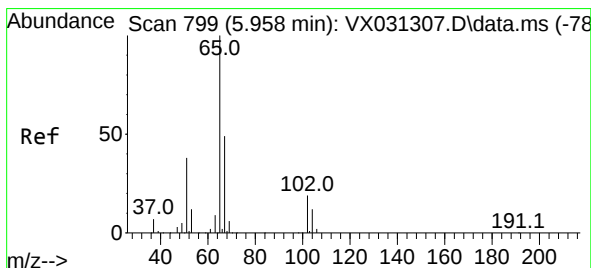
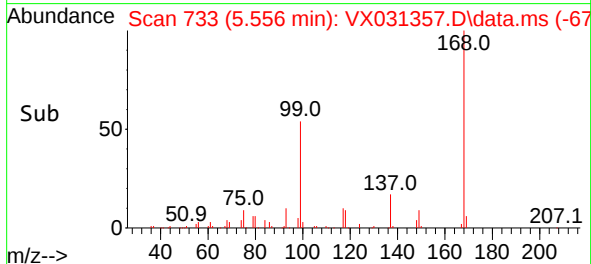
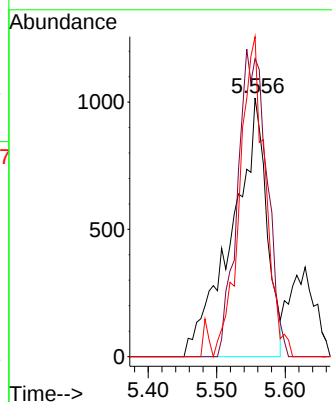
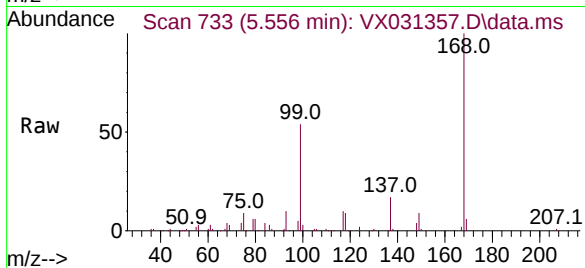




#31
Cyclohexane
Concen: 1.357 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

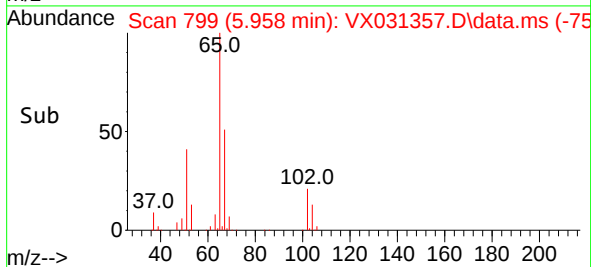
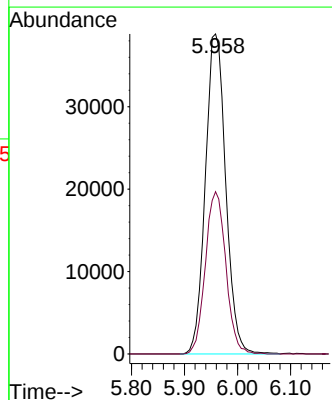
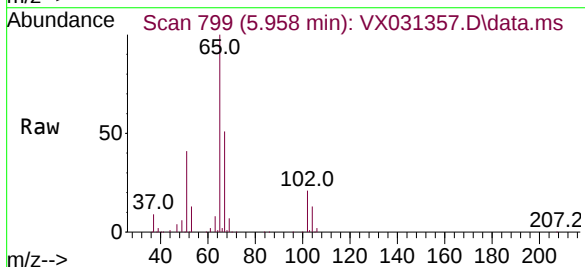
Instrument :
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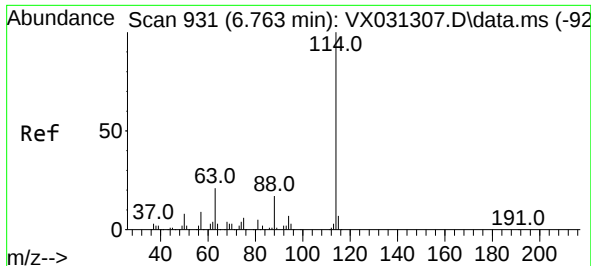
Tgt Ion: 56 Resp: 3561
Ion Ratio Lower Upper
56 100
69 115.3 25.1 37.7#
84 123.7 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 42.463 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 65 Resp: 103748
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

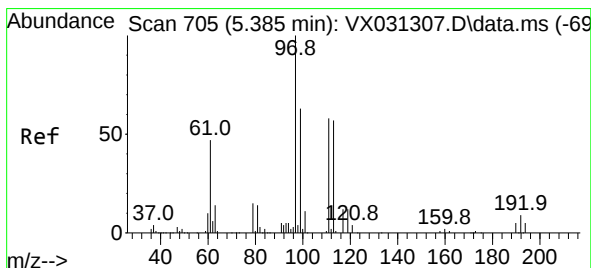
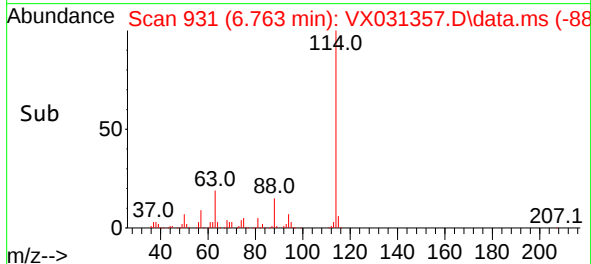
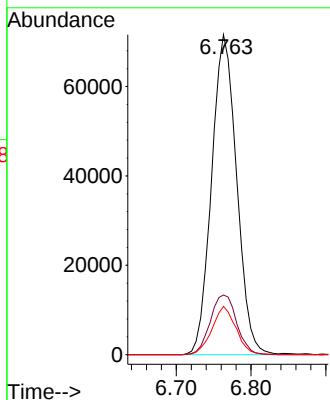
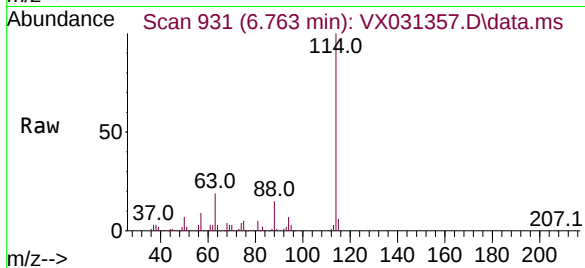




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

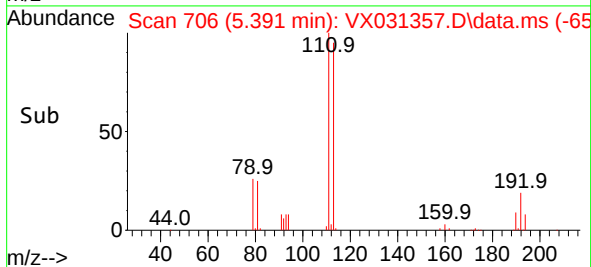
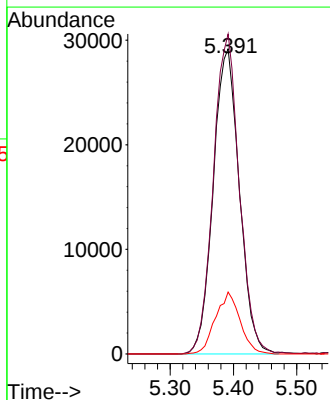
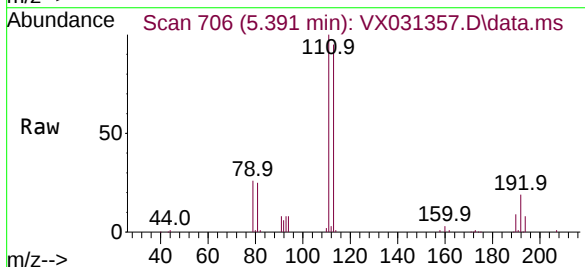
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

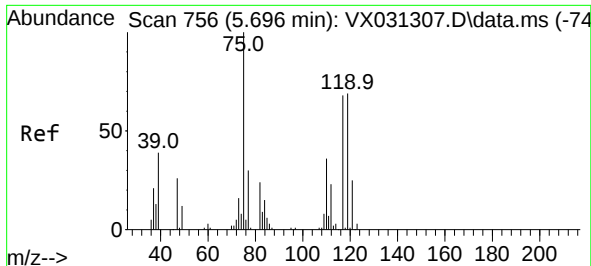
Tgt Ion:114 Resp: 167094
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.6
88 15.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.510 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion:113 Resp: 83539
Ion Ratio Lower Upper
113 100
111 104.2 82.4 123.6
192 19.2 14.1 21.1

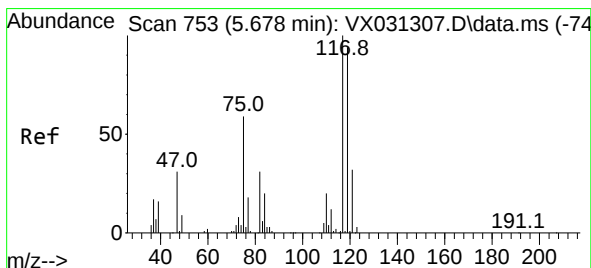
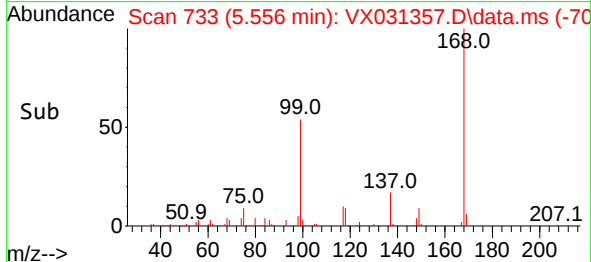
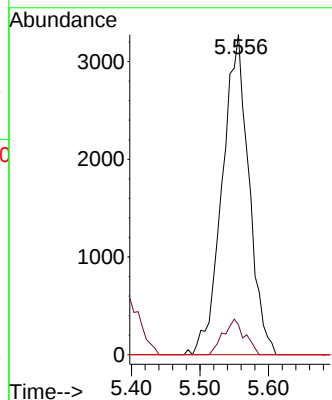
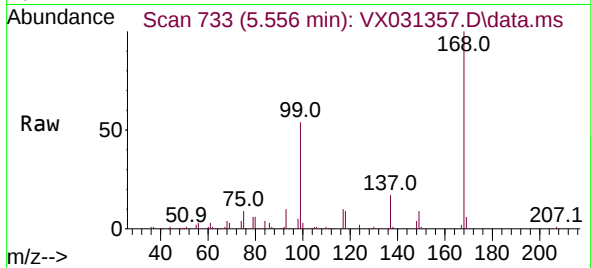




#36
1,1-Dichloropropene
Concen: 3.598 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

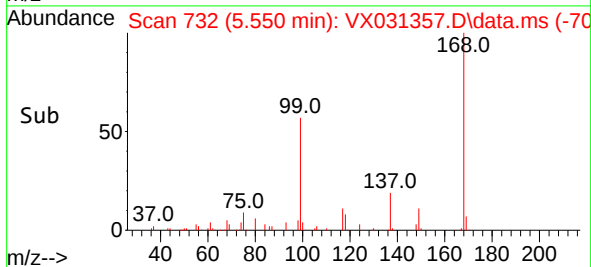
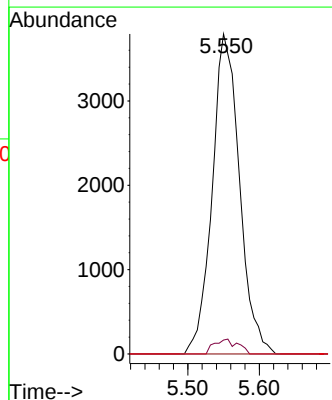
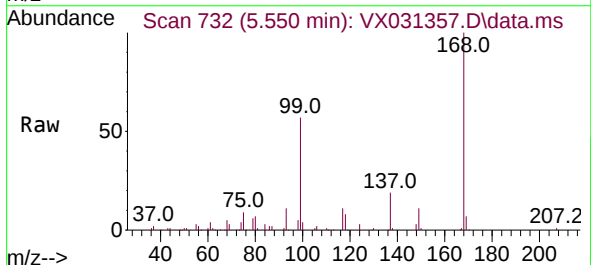
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

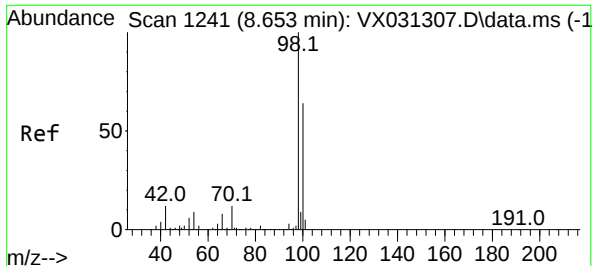
Tgt Ion: 75 Resp: 8845
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.765 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 117 Resp: 10060
Ion Ratio Lower Upper
117 100
119 4.3 74.6 112.0#
121 0.0 25.3 37.9#

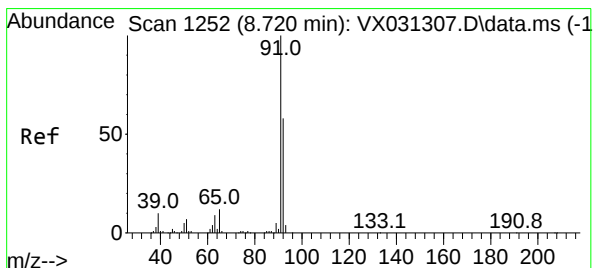
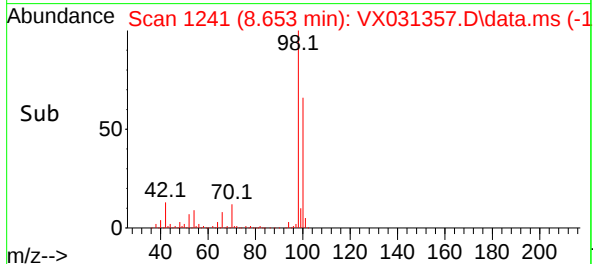
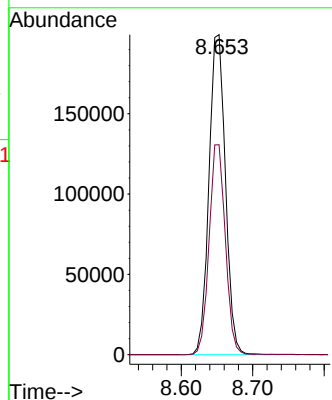
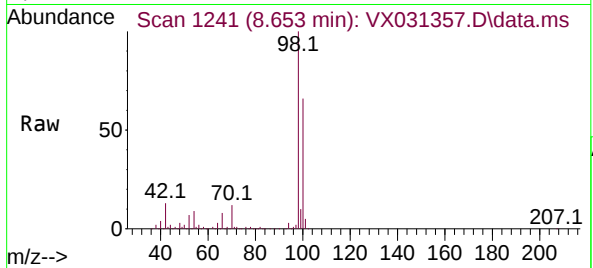




#50
Toluene-d8
Concen: 47.272 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

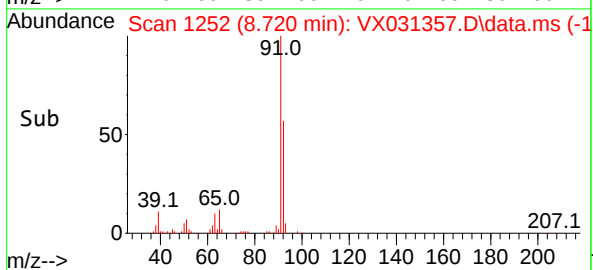
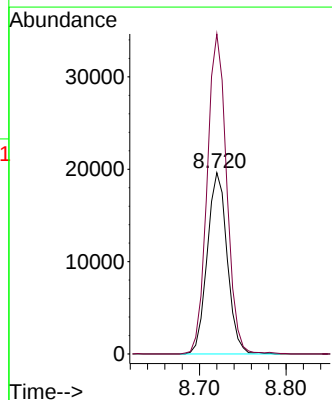
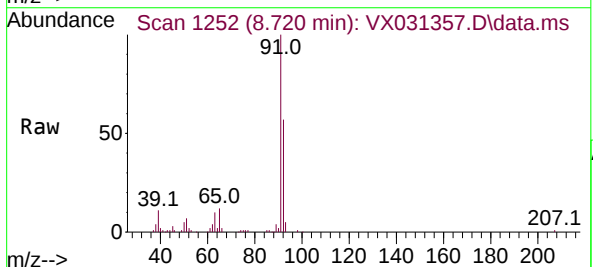
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

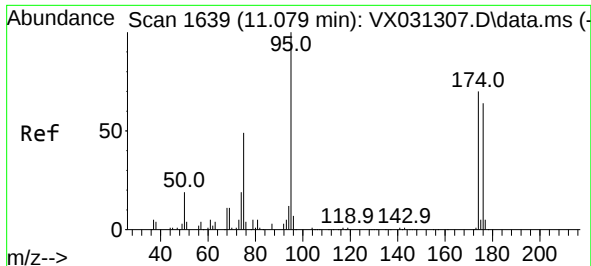
Tgt Ion: 98 Resp: 318500
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#52
Toluene
Concen: 7.028 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 92 Resp: 31387
Ion Ratio Lower Upper
92 100
91 172.7 137.1 205.7

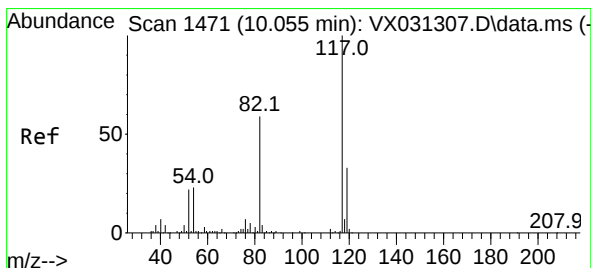
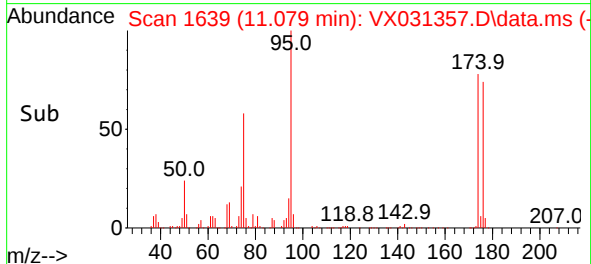
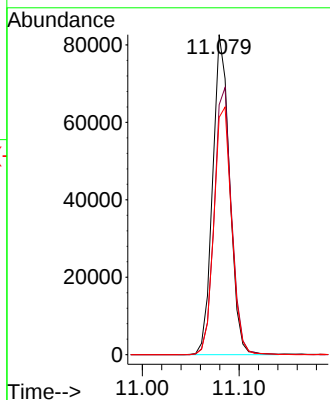
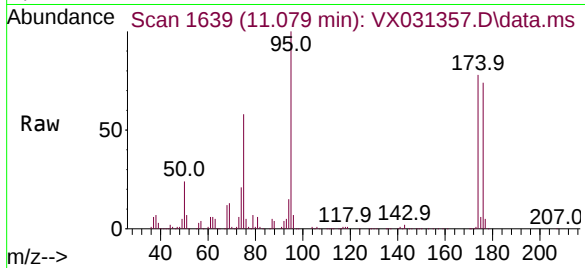




#62
4-Bromofluorobenzene
Concen: 40.785 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

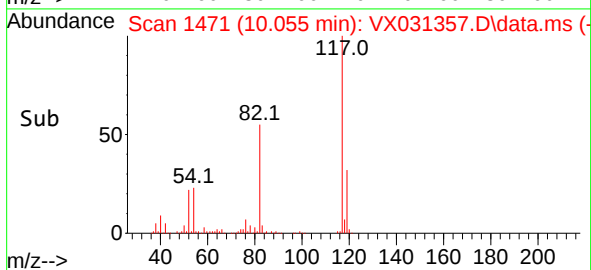
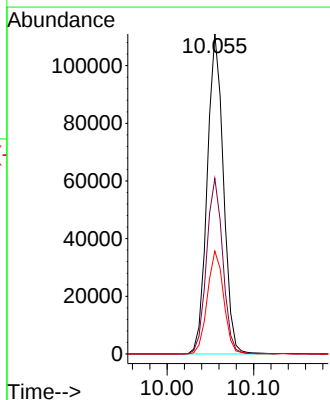
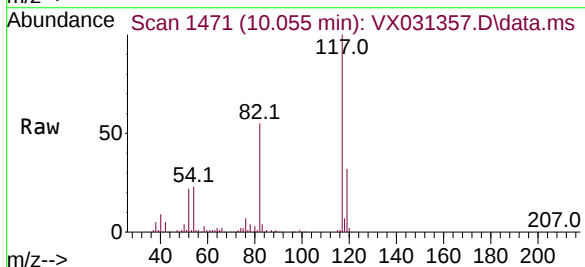
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

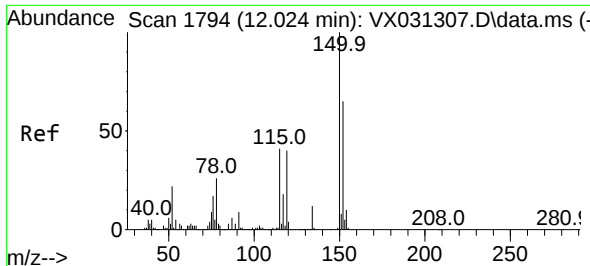
Tgt Ion: 95 Resp: 100627
Ion Ratio Lower Upper
95 100
174 85.1 0.0 153.2
176 81.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 117 Resp: 144364
Ion Ratio Lower Upper
117 100
82 54.9 46.8 70.2
119 32.1 26.4 39.6

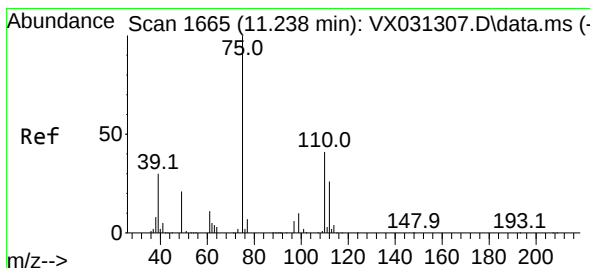
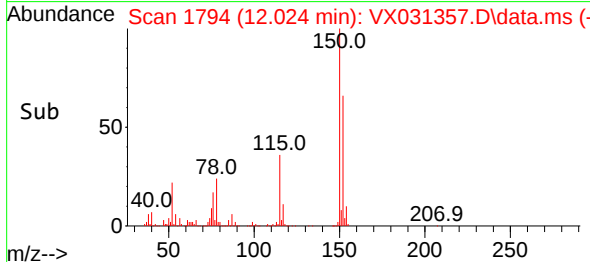
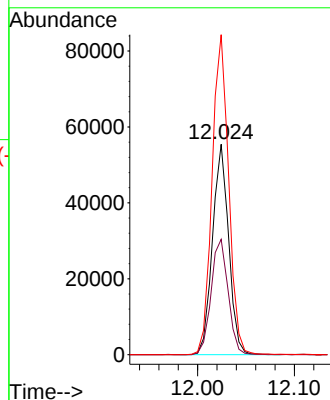
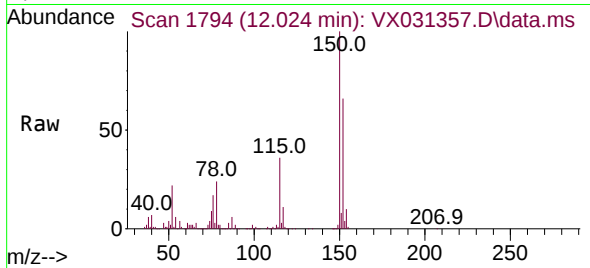




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031357.D
 Acq: 15 Sep 2022 16:35

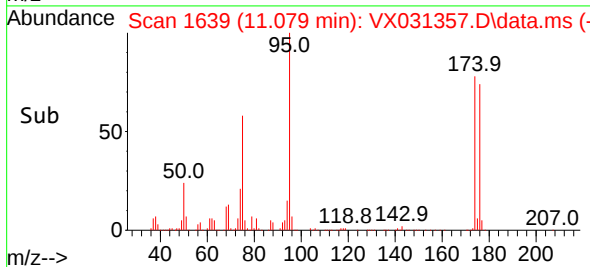
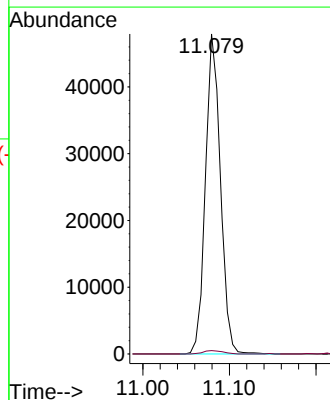
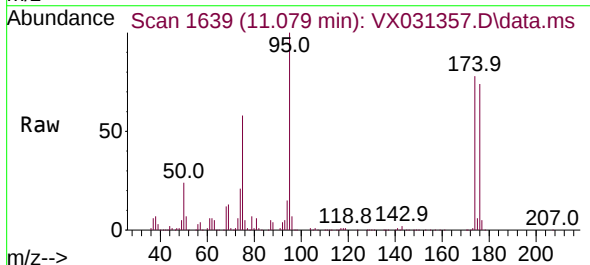
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1647ME

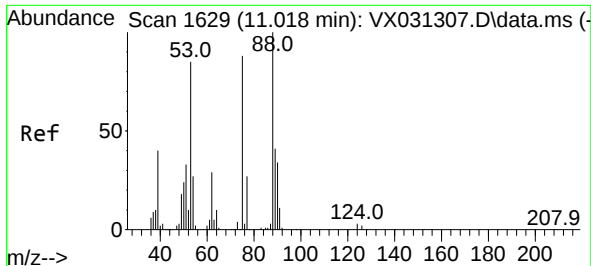
Tgt Ion:152 Resp: 64316
 Ion Ratio Lower Upper
 152 100
 115 57.7 43.4 130.1
 150 156.2 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 35.505 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX031357.D
 Acq: 15 Sep 2022 16:35

Tgt Ion: 75 Resp: 57545
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.3 60.9#

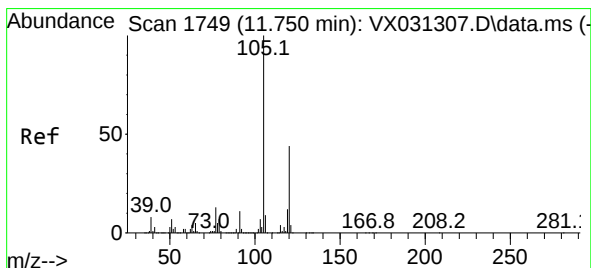
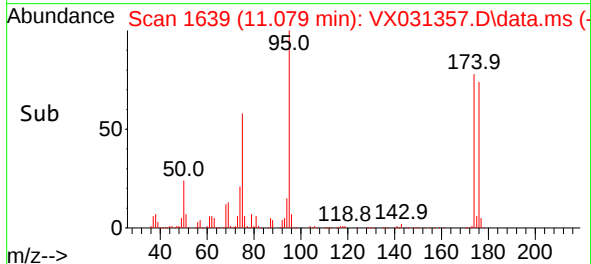
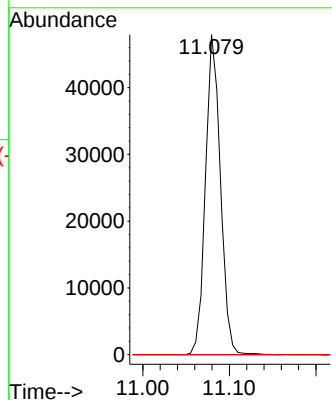
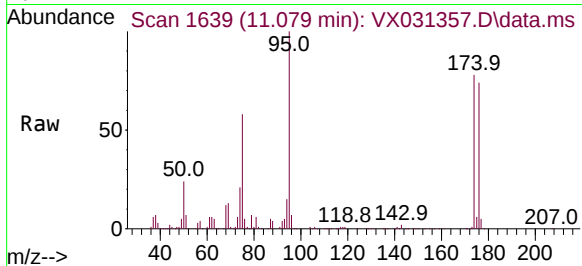




#81
trans-1,4-Dichloro-2-butene
Concen: 98.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

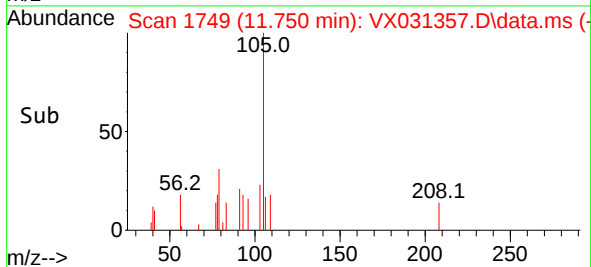
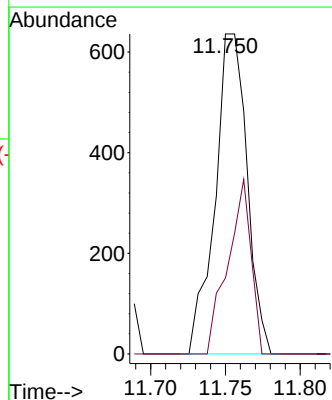
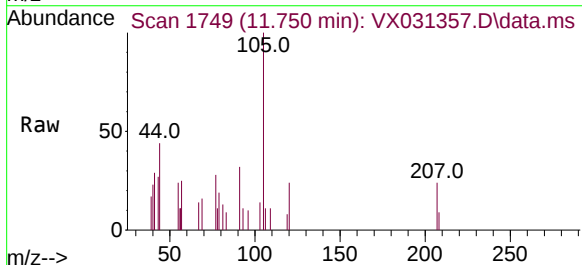
Instrument :
MSVOA_X
ClientSampleId :
AUD-1647ME

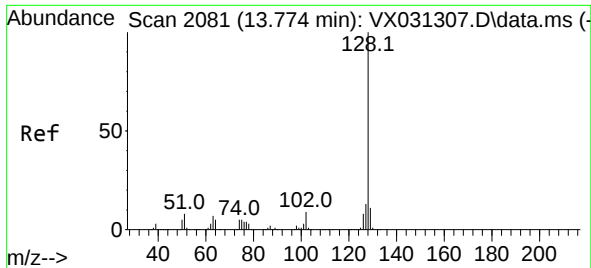
Tgt Ion: 75 Resp: 57545
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.240 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX031357.D
Acq: 15 Sep 2022 16:35

Tgt Ion: 105 Resp: 949
Ion Ratio Lower Upper
105 100
120 39.5 22.6 67.8





#95

Naphthalene

Concen: 0.741 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031357.D

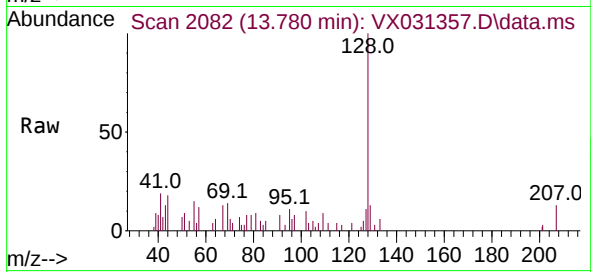
Acq: 15 Sep 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

AUD-1647ME



Tgt Ion:128 Resp: 3428

Ion Ratio Lower Upper

128 100

127 10.8 10.4 15.6

129 15.6 8.8 13.2#

