

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029857.D
 Acq On : 29 Jun 2022 13:23
 Operator : JC/MD
 Sample : N3491-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1613

Quant Time: Jun 29 15:03:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

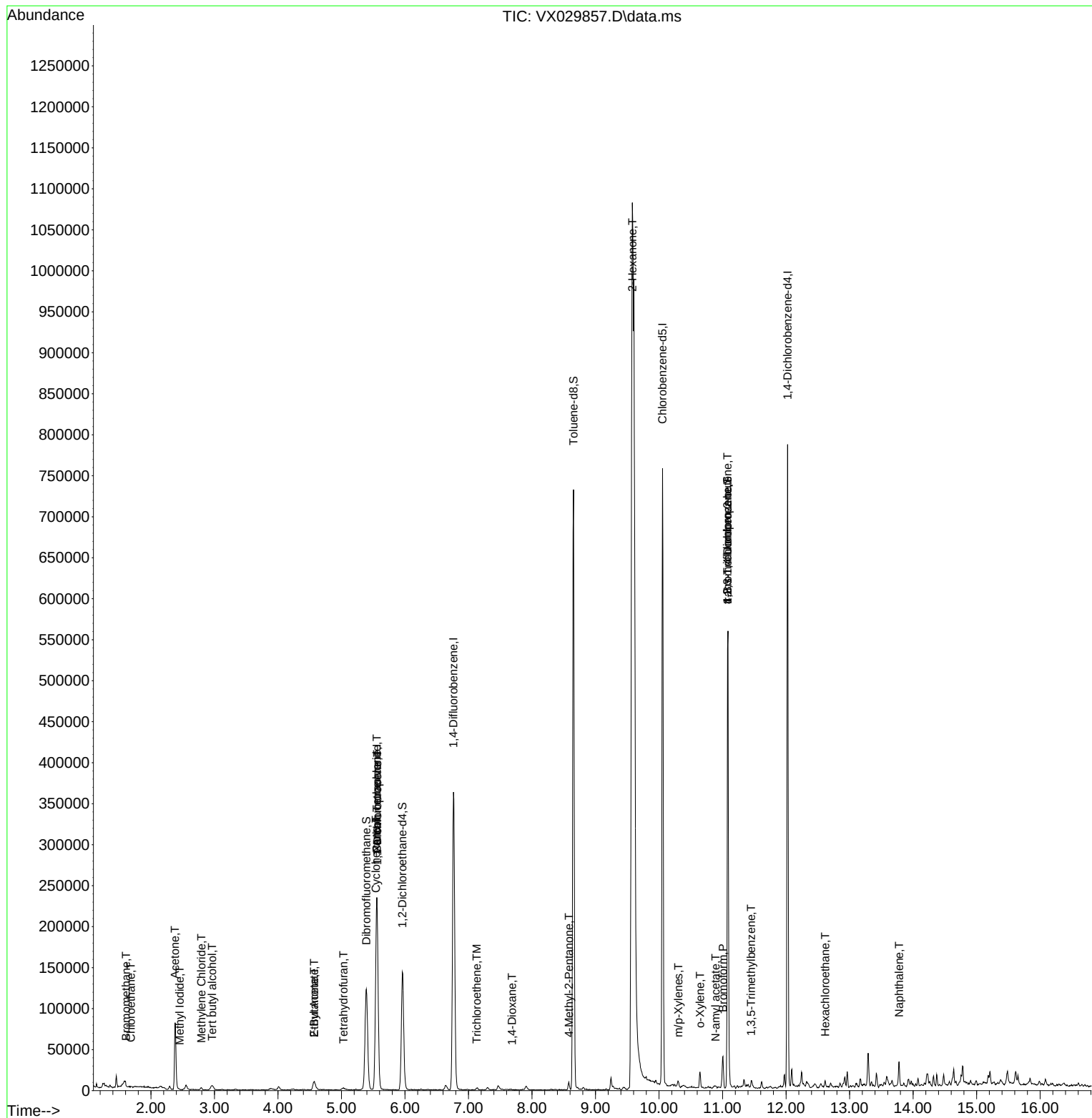
Internal Standards						
1) Pentafluorobenzene	5.556	168	233147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	395538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	124639	42.233	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.460%
35) Dibromofluoromethane	5.391	113	112033	45.323	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.640%
50) Toluene-d8	8.653	98	449033	48.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.840%
62) 4-Bromofluorobenzene	11.079	95	155303	47.378	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.760%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	304	0.212	ug/l	87
6) Chloroethane	1.684	64	350	1.215	ug/l	95
10) Methyl Iodide	2.452	142	387	1.989	ug/l #	71
11) Tert butyl alcohol	2.965	59	7235	9.374	ug/l	98
13) Acrolein	2.233	56	148	Below Cal	#	14
16) Acetone	2.379	43	82788	57.339	ug/l	97
20) Methylene Chloride	2.794	84	1430	0.469	ug/l #	65
25) 2-Butanone	4.568	43	18137	7.237	ug/l	90
29) Tetrahydrofuran	5.031	42	2043	1.239	ug/l #	79
31) Cyclohexane	5.543	56	4622	1.123	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	16934	5.151	ug/l #	48
37) Ethyl Acetate	4.568	43	18137	4.034	ug/l #	69
38) Carbon Tetrachloride	5.556	117	22004	7.724	ug/l #	17
44) Trichloroethene	7.128	130	1072	0.374	ug/l	60
49) 1,4-Dioxane	7.683	88	19	0.250	ug/l #	1
51) 4-Methyl-2-Pentanone	8.579	43	5938	1.330	ug/l	98
59) 2-Hexanone	9.579	43	531858	153.497	ug/l #	38
68) m/p-Xylenes	10.305	106	1437	0.309	ug/l	84
69) o-Xylene	10.646	106	4581	0.972	ug/l	94
71) Bromoform	11.006	173	1486	0.894	ug/l #	29
74) N-amyl acetate	10.890	43	2935	0.506	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	71854	18.528	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	2678	0.275	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	71854	58.842	ug/l #	12
90) Hexachloroethane	12.615	117	375	0.237	ug/l #	16
95) Naphthalene	13.780	128	18824	1.439	ug/l	99

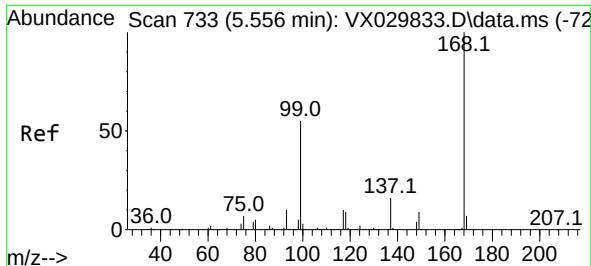
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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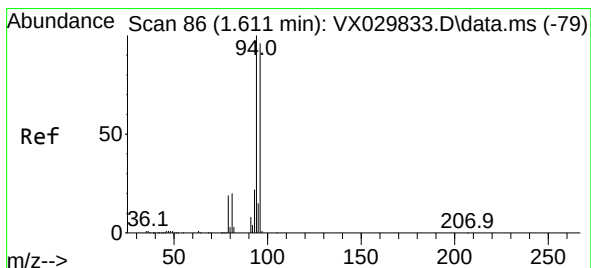
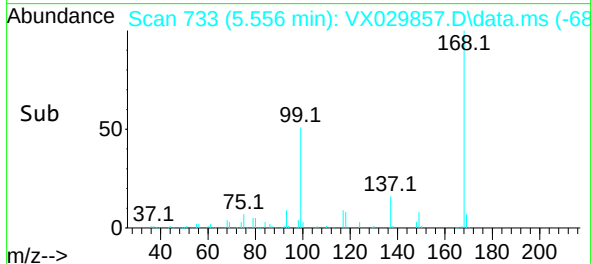
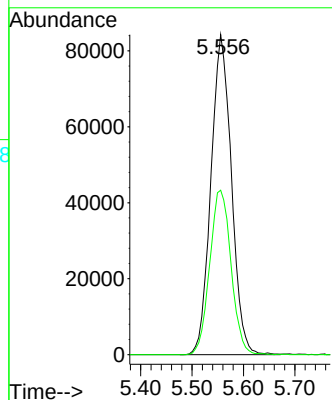
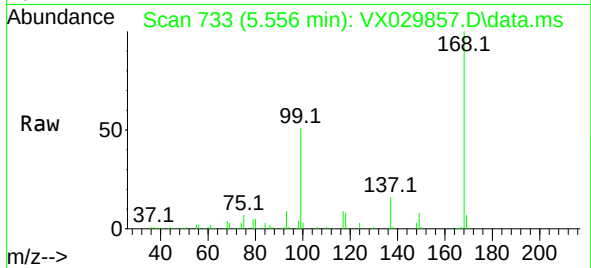




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

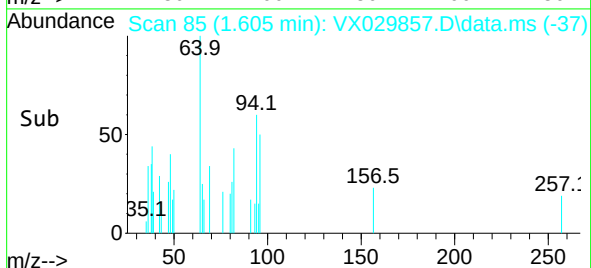
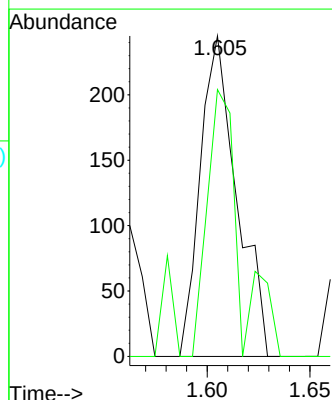
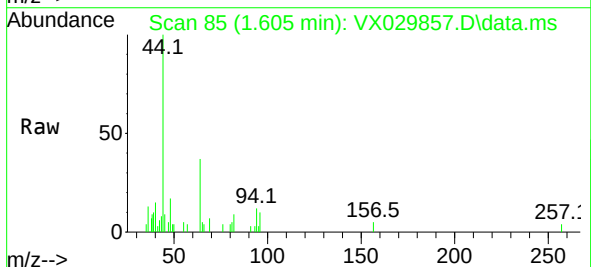
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

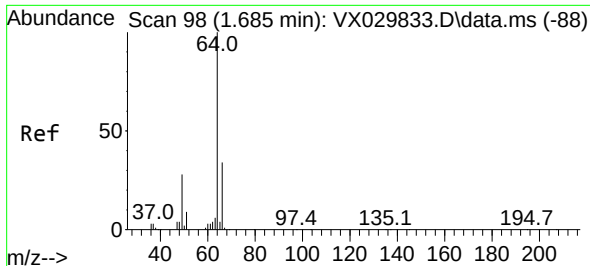
Tgt Ion:168 Resp: 233147
Ion Ratio Lower Upper
168 100
99 51.4 44.0 66.0



#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 83.3 76.9 115.3

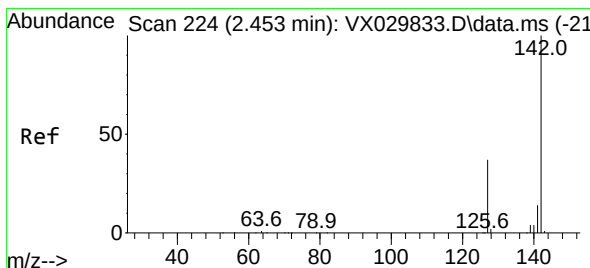
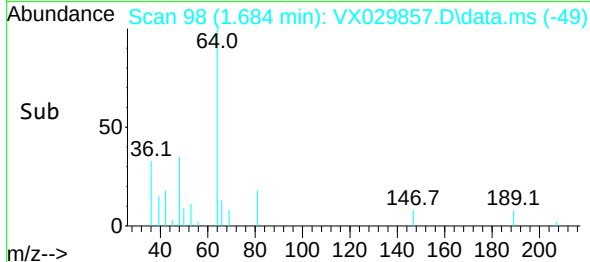
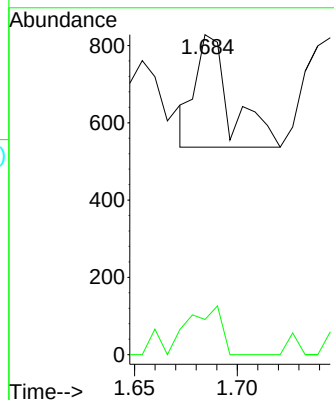
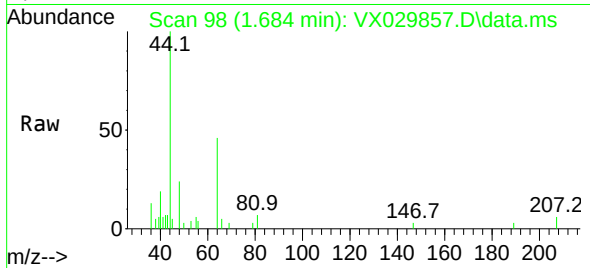




#6
Chloroethane
Concen: 1.215 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

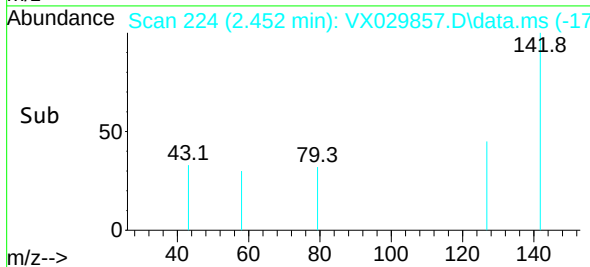
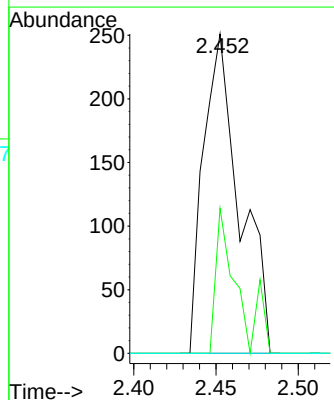
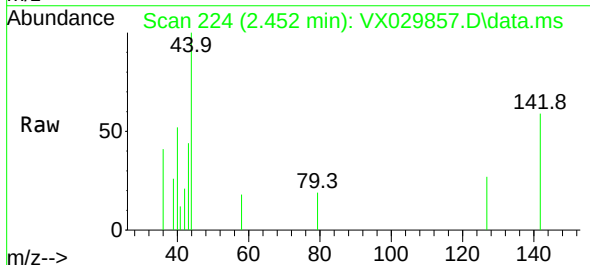
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

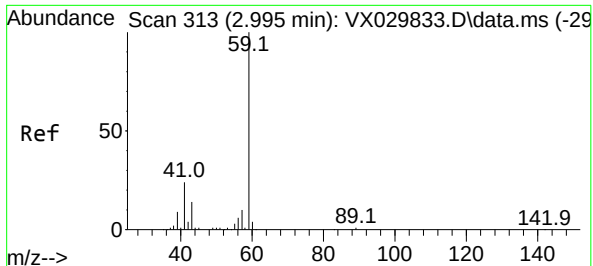
Tgt Ion: 64 Resp: 350
Ion Ratio Lower Upper
64 100
66 31.3 27.2 40.8



#10
Methyl Iodide
Concen: 1.989 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.001 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 142 Resp: 387
Ion Ratio Lower Upper
142 100
127 21.4 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 9.374 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.031 min

Lab File: VX029857.D

Acq: 29 Jun 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

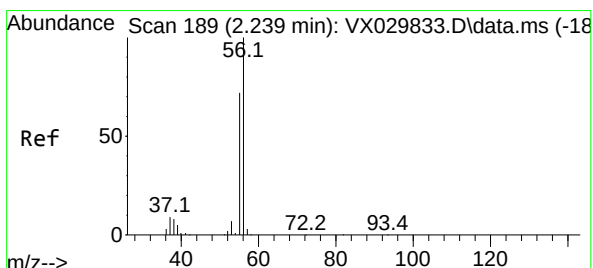
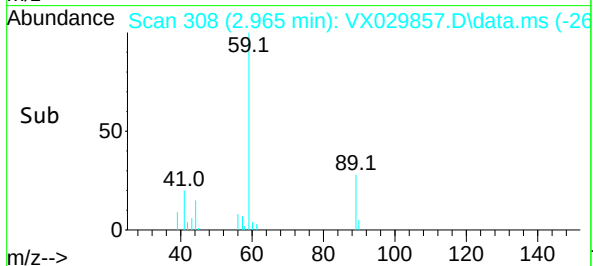
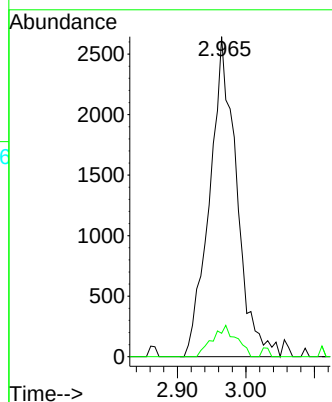
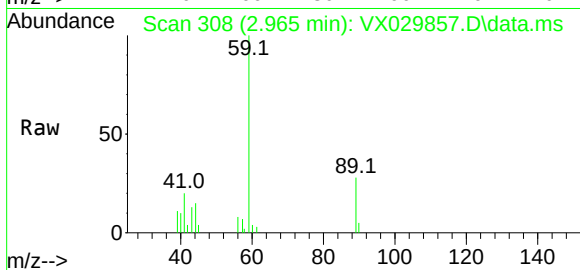
AUD-1613

Tgt Ion: 59 Resp: 7235

Ion Ratio Lower Upper

59 100

57 8.7 7.4 11.2



#13

Acrolein

Concen: Below Cal

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX029857.D

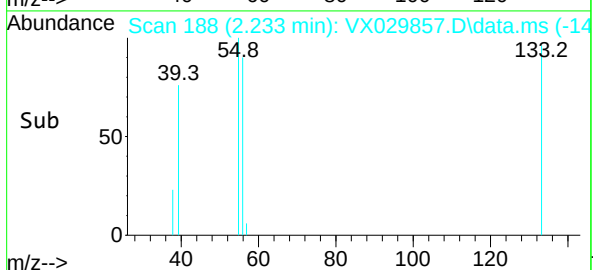
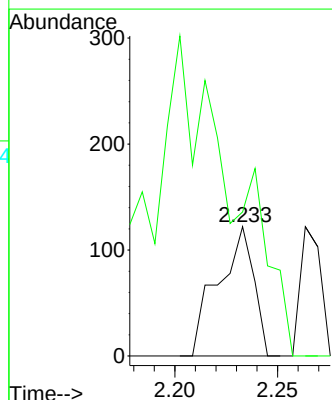
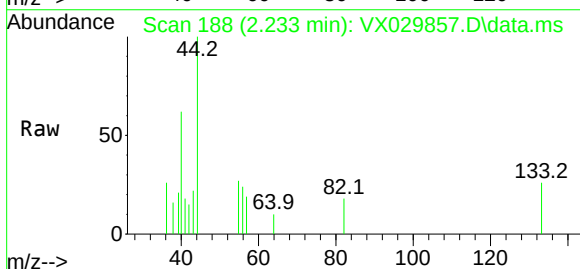
Acq: 29 Jun 2022 13:23

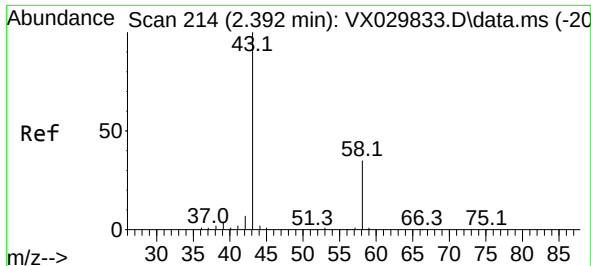
Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

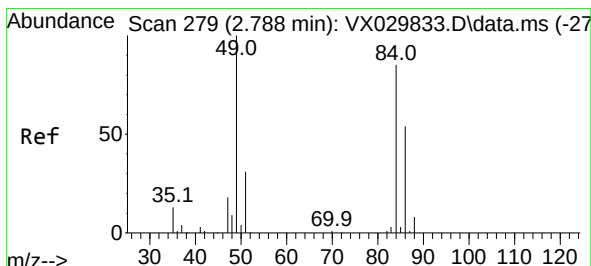
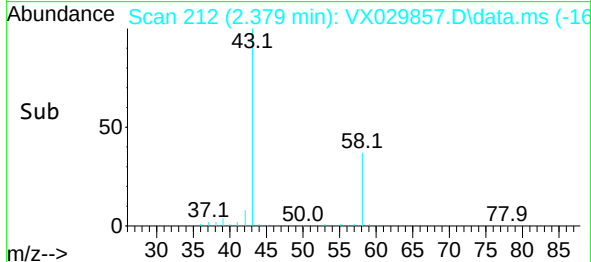
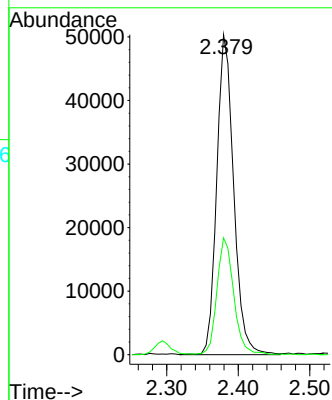
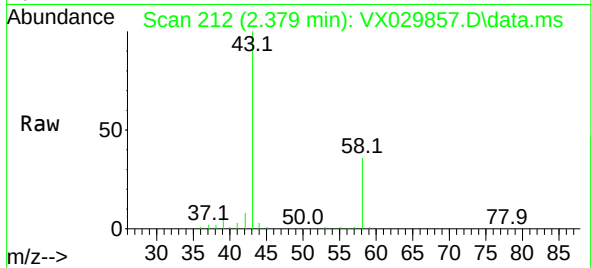




#16
Acetone
Concen: 57.339 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

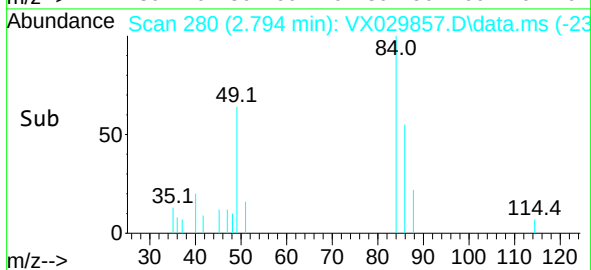
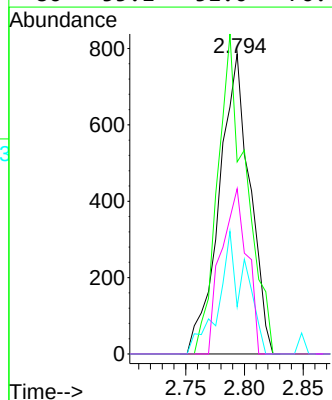
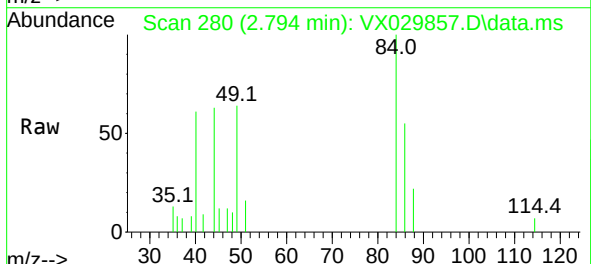
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

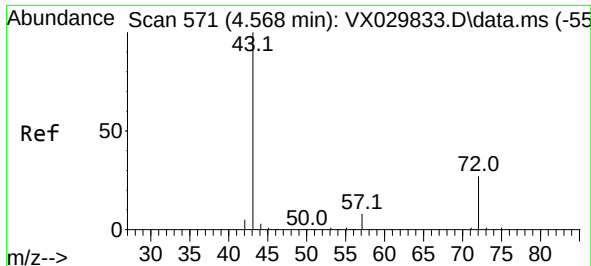
Tgt Ion: 43 Resp: 82788
Ion Ratio Lower Upper
43 100
58 36.3 27.7 41.5



#20
Methylene Chloride
Concen: 0.469 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 84 Resp: 1430
Ion Ratio Lower Upper
84 100
49 64.0 93.8 140.6#
51 15.8 29.4 44.0#
86 55.1 51.0 76.4

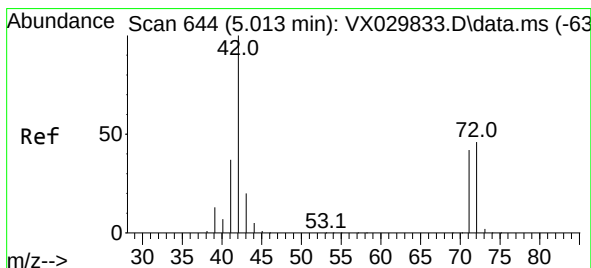
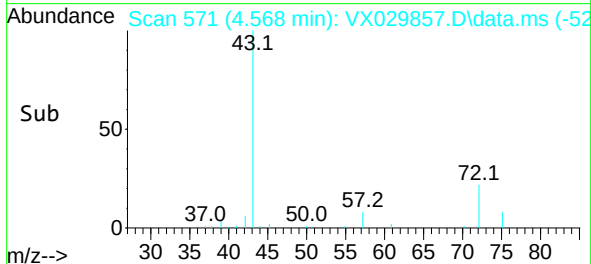
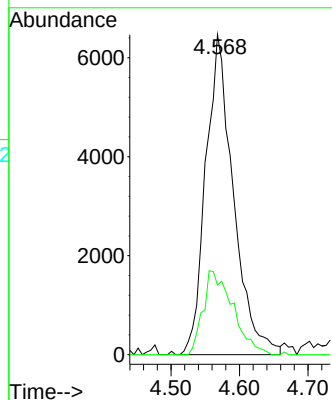
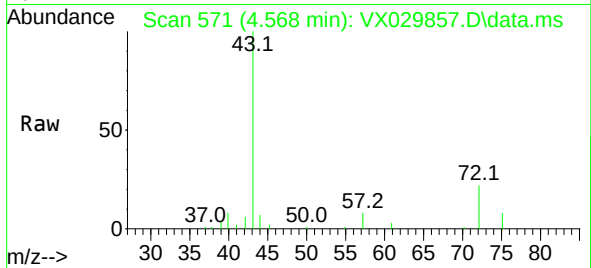




#25
2-Butanone
Concen: 7.237 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

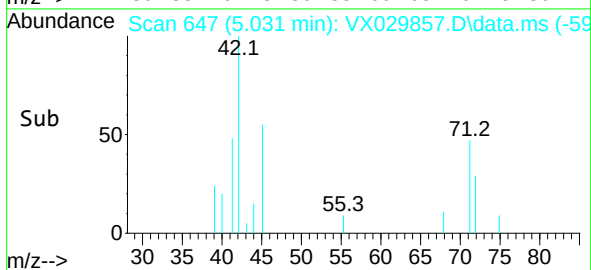
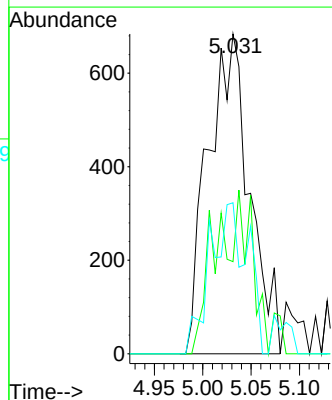
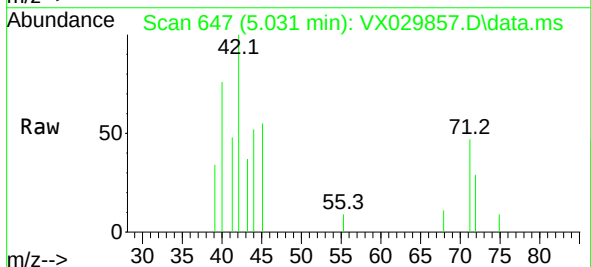
Instrument :
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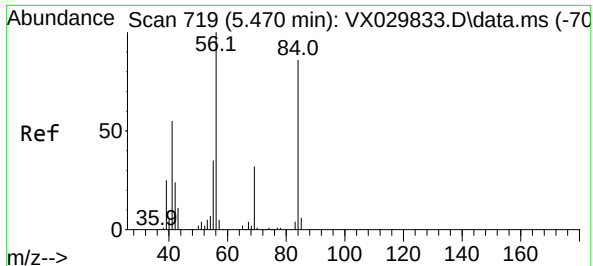
Tgt Ion: 43 Resp: 18137
Ion Ratio Lower Upper
43 100
72 21.7 21.7 32.5



#29
Tetrahydrofuran
Concen: 1.239 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

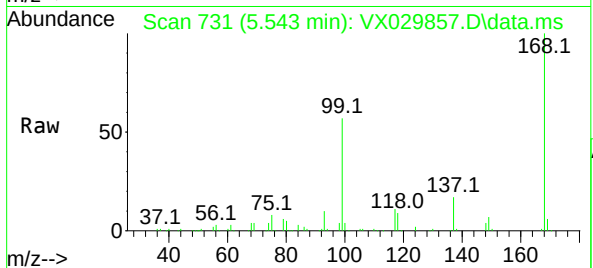
Tgt Ion: 42 Resp: 2043
Ion Ratio Lower Upper
42 100
72 19.5 36.5 54.7#
71 42.4 33.9 50.9



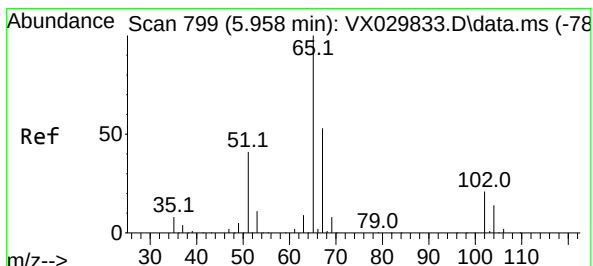
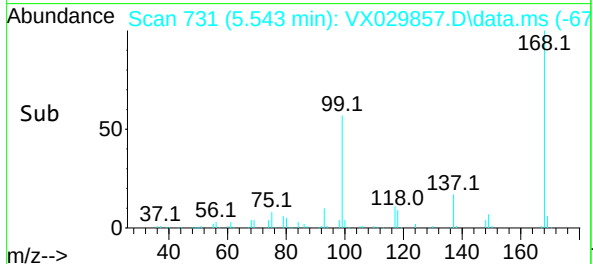
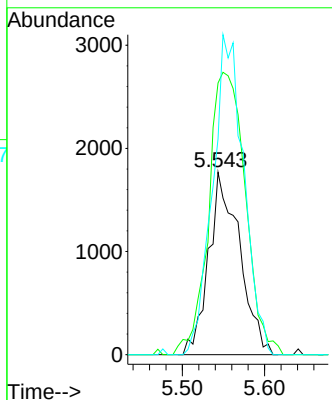


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

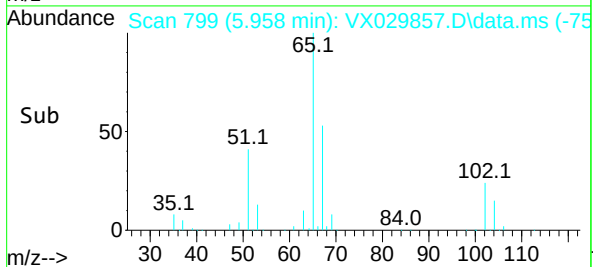
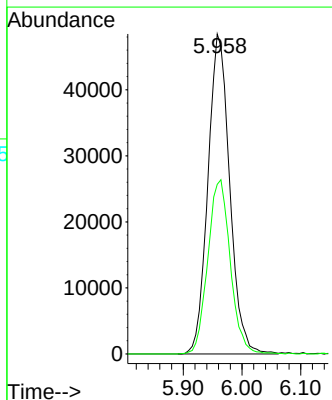
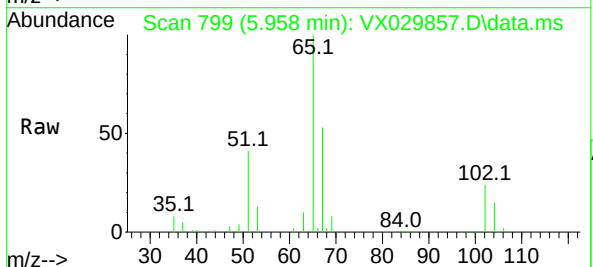


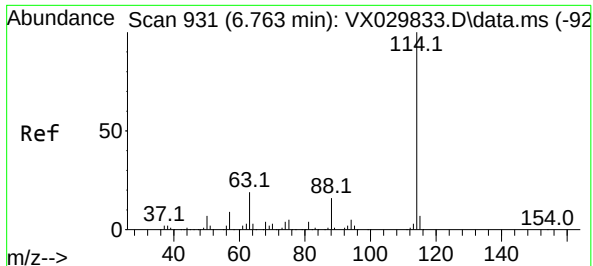
Tgt Ion: 56 Resp: 4622
Ion Ratio Lower Upper
56 100
69 144.3 25.4 38.0#
84 118.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 42.233 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 65 Resp: 124639
Ion Ratio Lower Upper
65 100
67 56.3 0.0 109.6

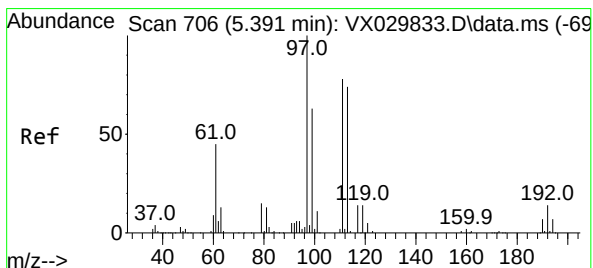
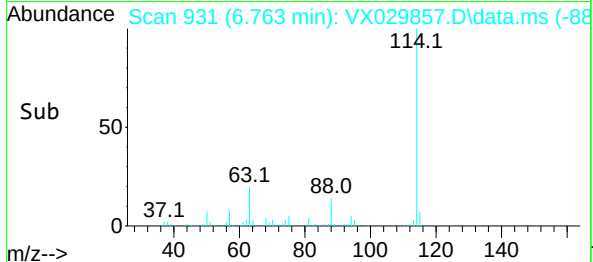
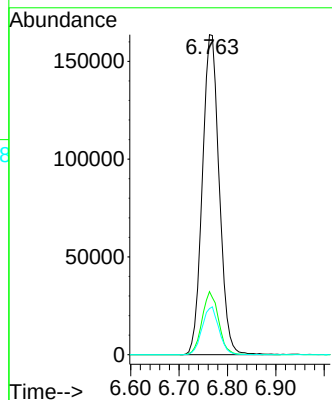
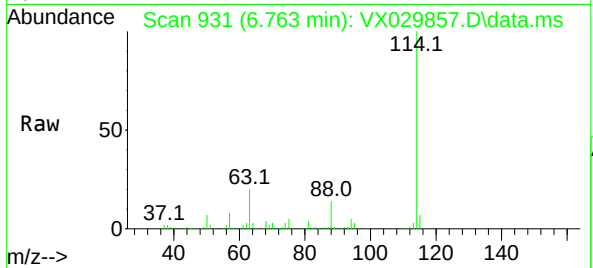




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

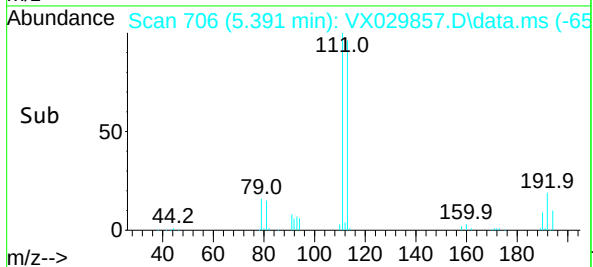
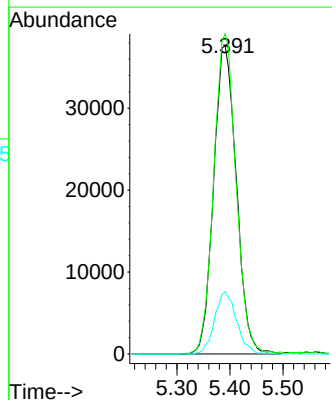
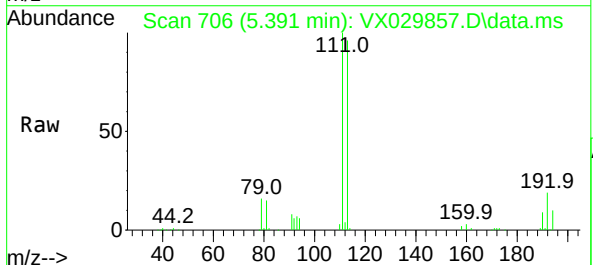
Instrument :
MSVOA_X
ClientSampleId :
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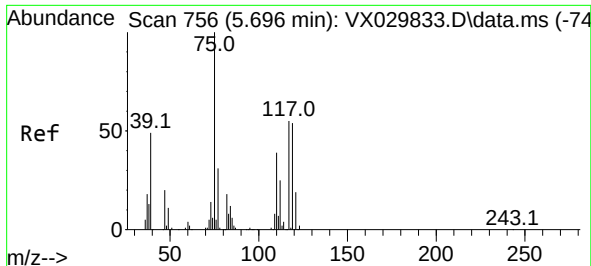
Tgt Ion:114 Resp: 395538
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 14.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.323 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion:113 Resp: 112033
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 19.4 14.8 22.2

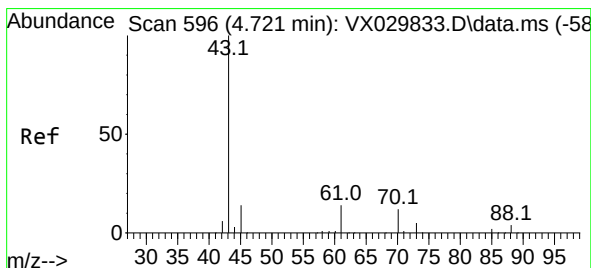
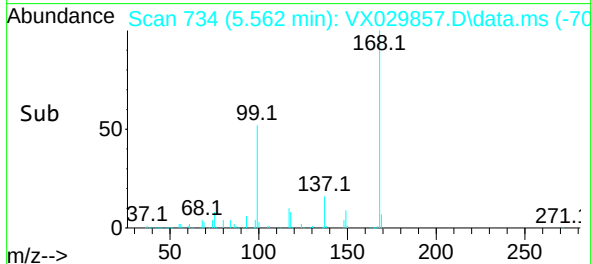
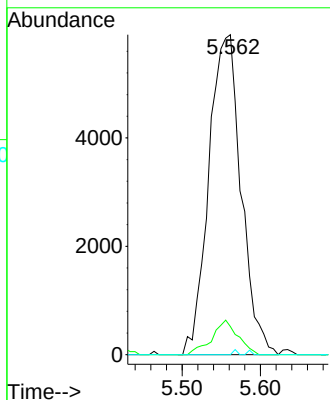
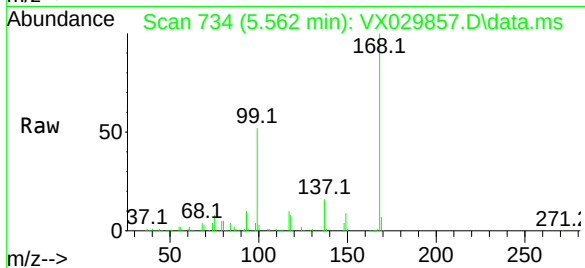




#36
1,1-Dichloropropene
Concen: 5.151 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

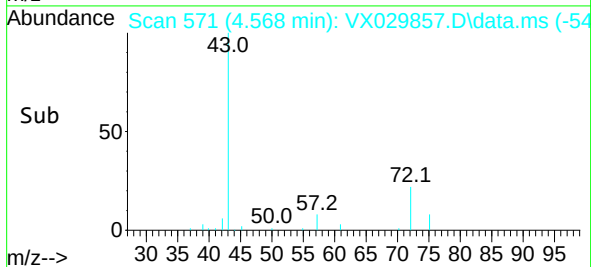
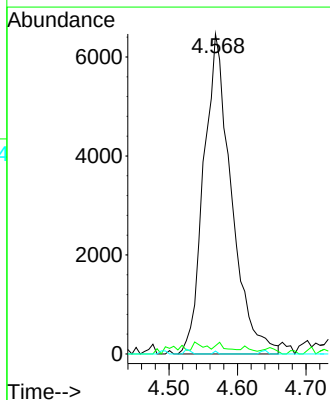
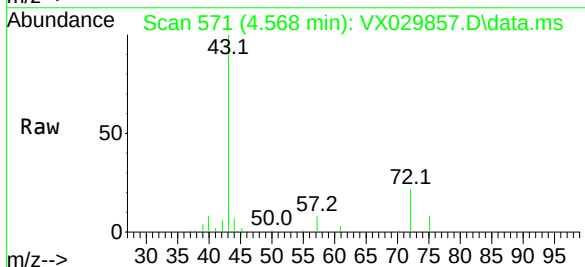
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

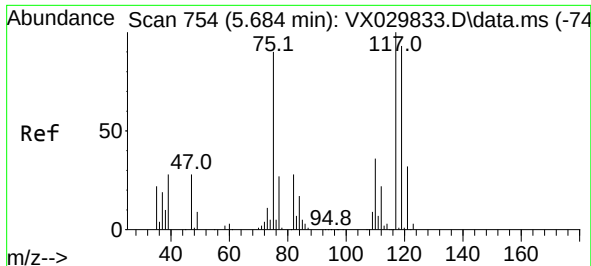
Tgt Ion: 75 Resp: 16934
Ion Ratio Lower Upper
75 100
110 8.7 19.3 57.9#
77 0.2 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.034 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.153 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 43 Resp: 18137
Ion Ratio Lower Upper
43 100
61 1.6 11.7 17.5#
70 0.1 9.3 13.9#

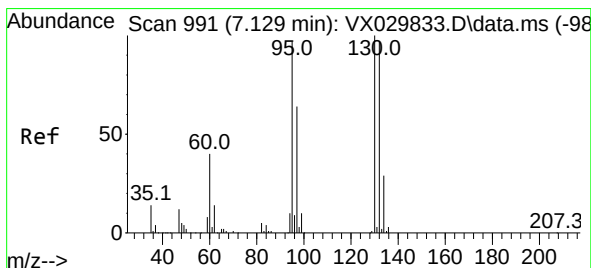
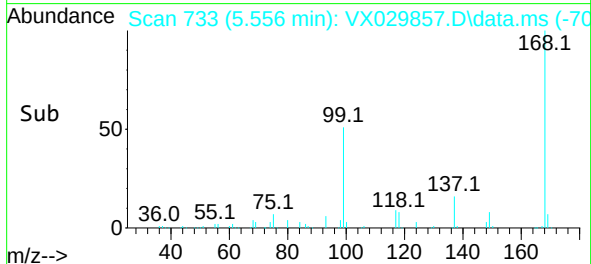
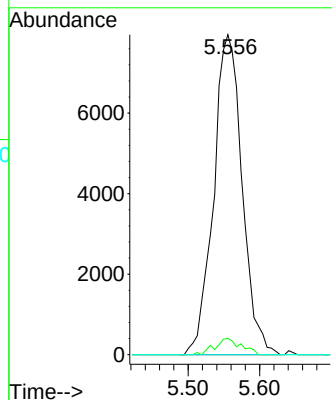
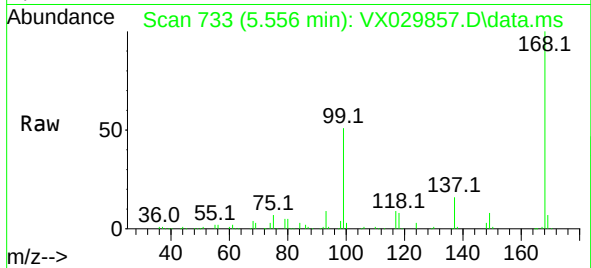




#38
Carbon Tetrachloride
Concen: 7.724 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

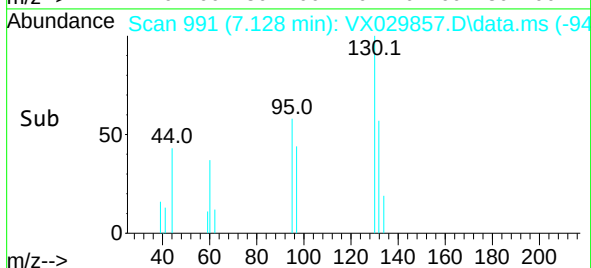
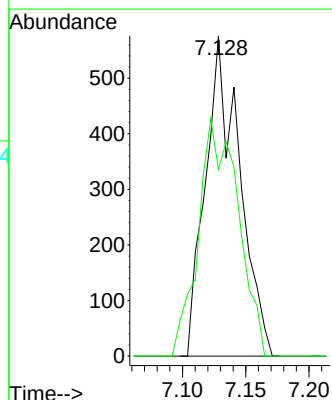
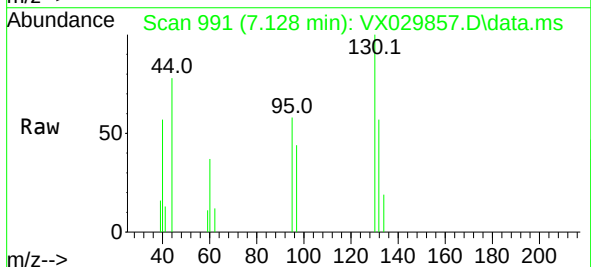
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

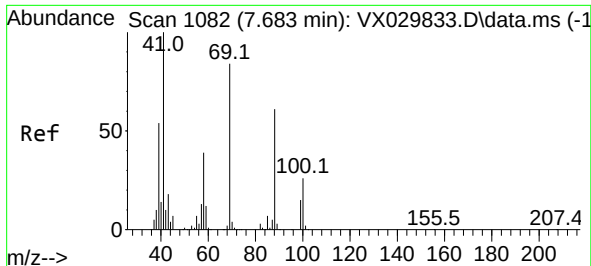
Tgt Ion:117 Resp: 22004
Ion Ratio Lower Upper
117 100
119 5.1 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.374 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion:130 Resp: 1072
Ion Ratio Lower Upper
130 100
95 58.3 0.0 194.8

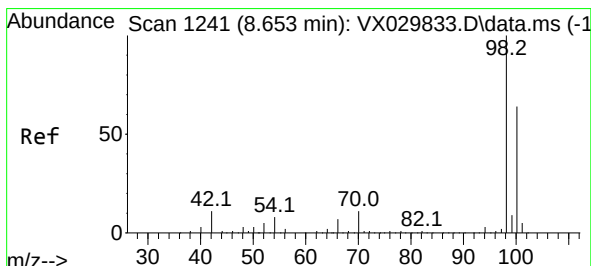
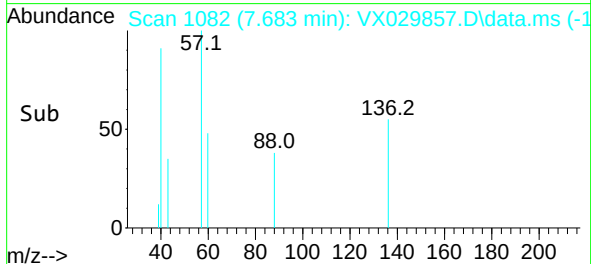
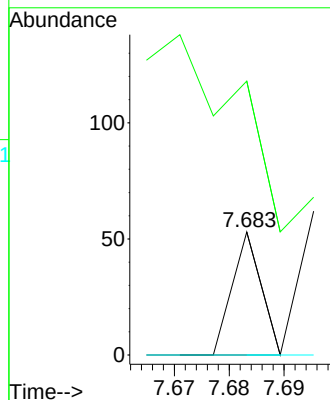
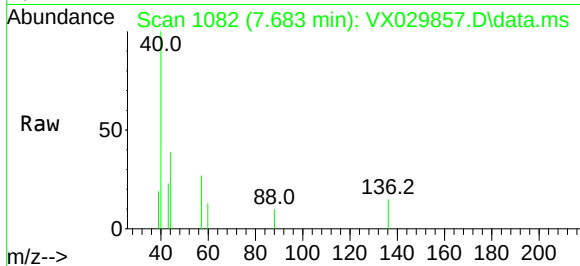




#49
1,4-Dioxane
Concen: 0.250 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

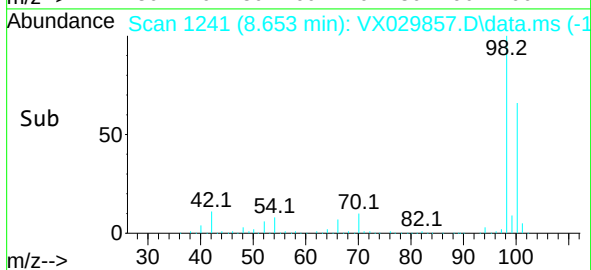
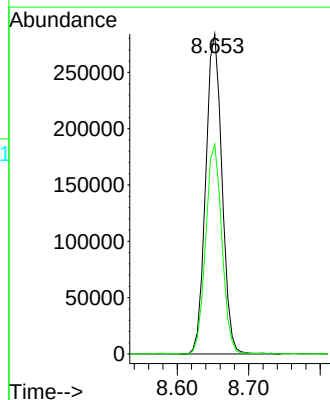
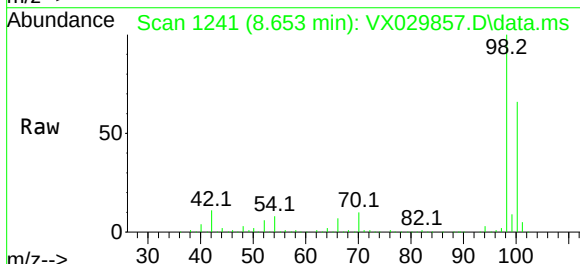
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

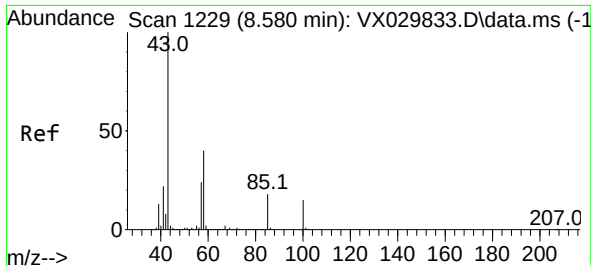
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1542.1 23.8 35.8#
58 0.0 53.8 80.6#



#50
Toluene-d8
Concen: 48.422 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 98 Resp: 449033
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.330 ug/l

RT: 8.579 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029857.D

Acq: 29 Jun 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

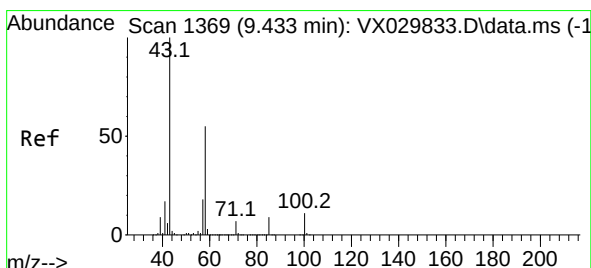
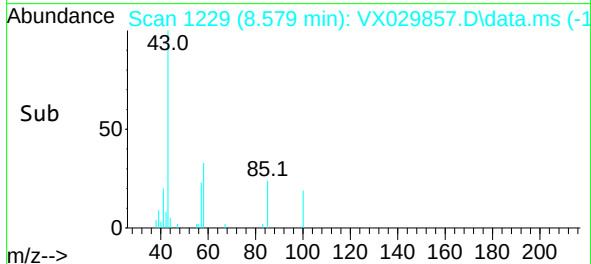
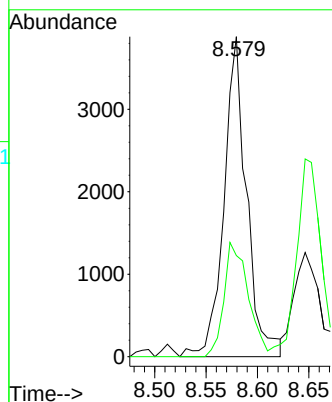
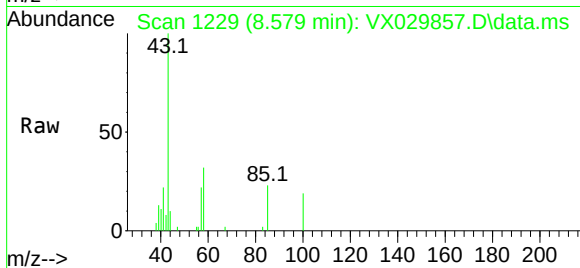
AUD-1613

Tgt Ion: 43 Resp: 5938

Ion Ratio Lower Upper

43 100

58 38.1 31.4 47.2



#59

2-Hexanone

Concen: 153.497 ug/l

RT: 9.579 min Scan# 1393

Delta R.T. 0.146 min

Lab File: VX029857.D

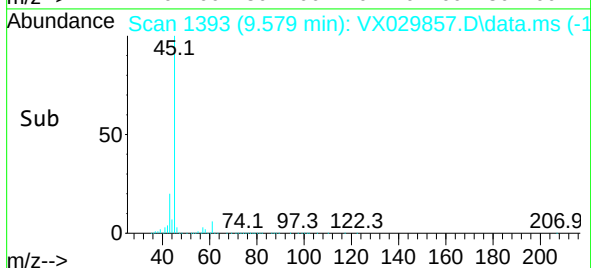
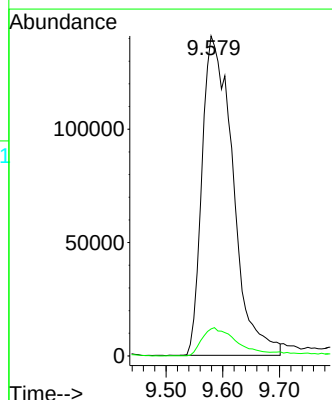
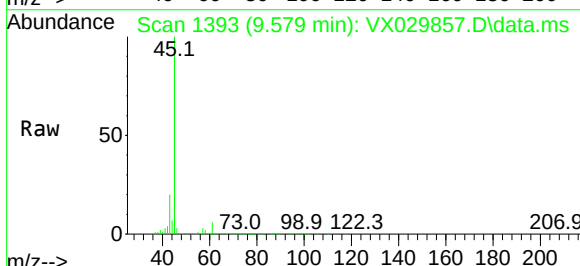
Acq: 29 Jun 2022 13:23

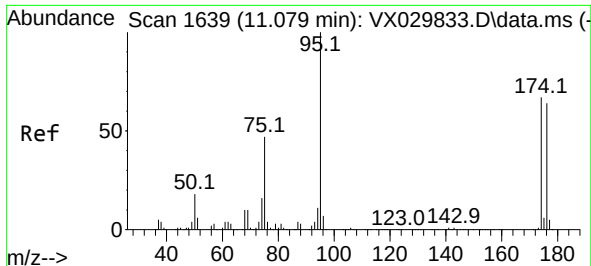
Tgt Ion: 43 Resp: 531858

Ion Ratio Lower Upper

43 100

58 10.0 27.6 82.8#

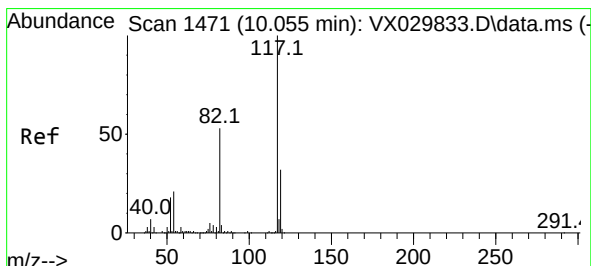
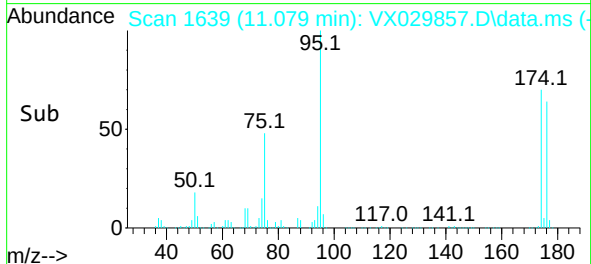
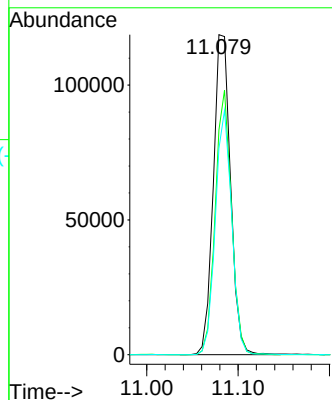
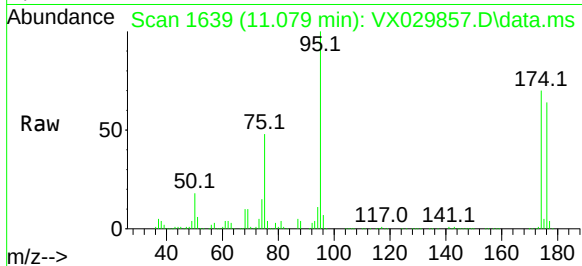




#62
4-Bromofluorobenzene
Concen: 47.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

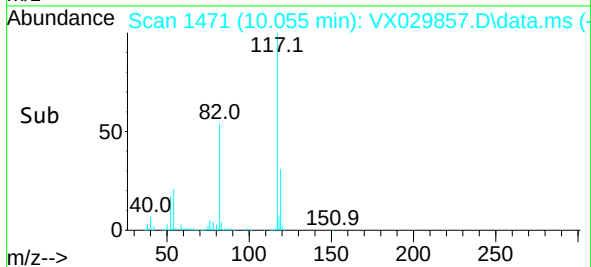
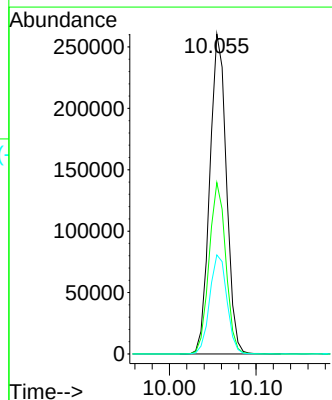
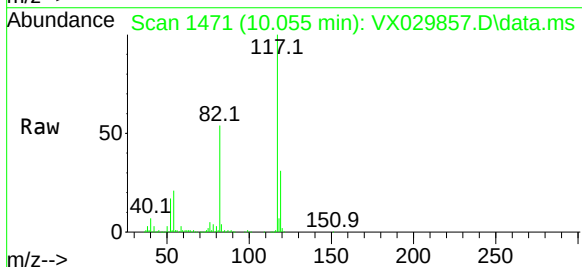
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

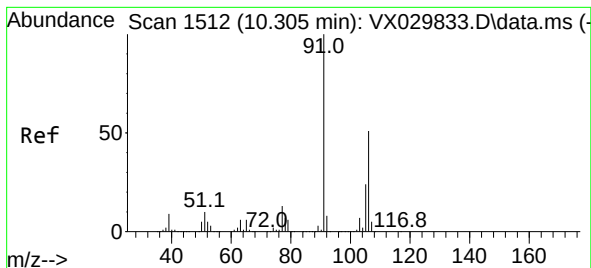
Tgt Ion: 95 Resp: 155303
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.0
176 72.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 117 Resp: 347460
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 30.9 25.4 38.2





#68

m/p-Xylenes

Concen: 0.309 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX029857.D

Acq: 29 Jun 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

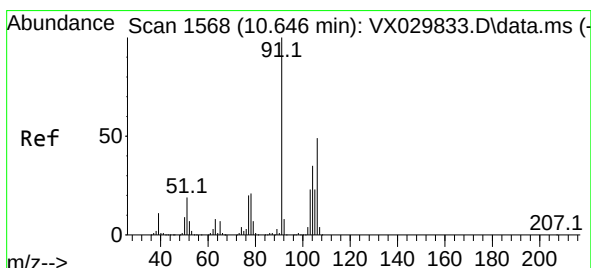
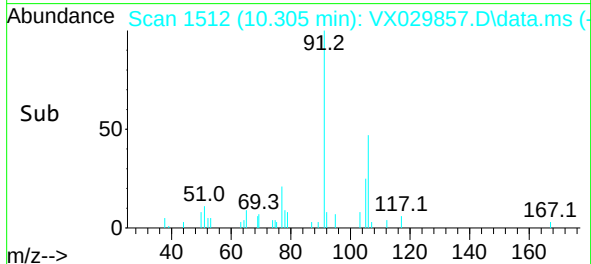
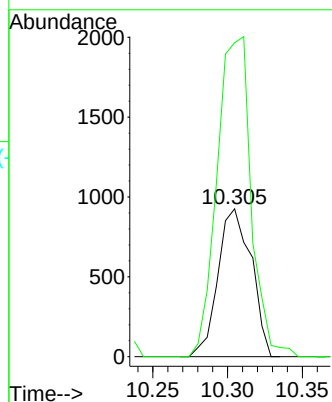
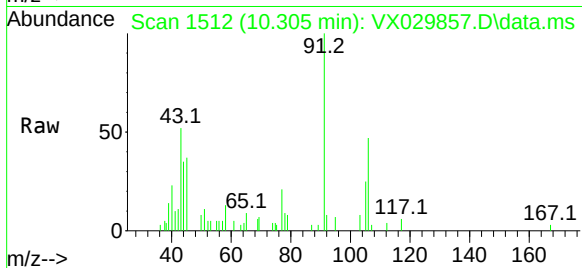
AUD-1613

Tgt Ion:106 Resp: 1437

Ion Ratio Lower Upper

106 100

91 221.6 158.2 237.4



#69

o-Xylene

Concen: 0.972 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VX029857.D

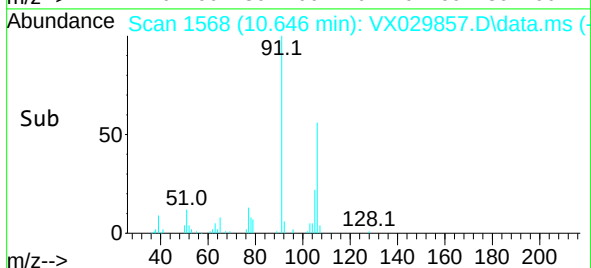
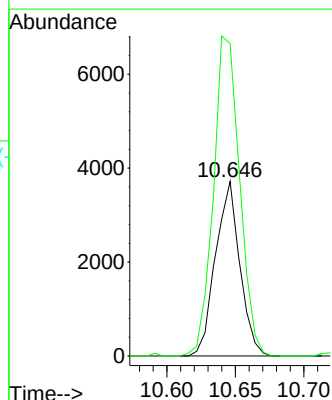
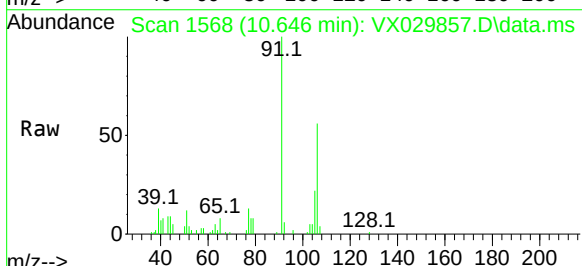
Acq: 29 Jun 2022 13:23

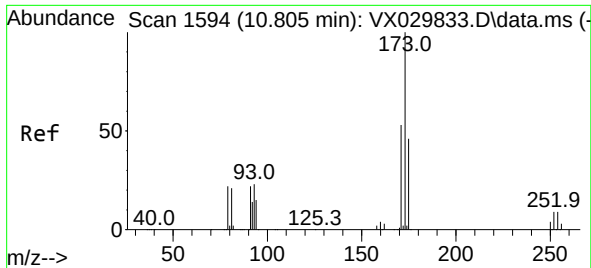
Tgt Ion:106 Resp: 4581

Ion Ratio Lower Upper

106 100

91 197.9 103.8 311.6

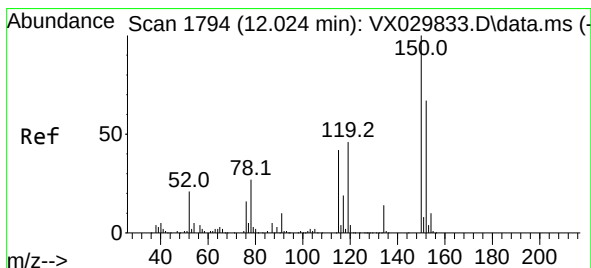
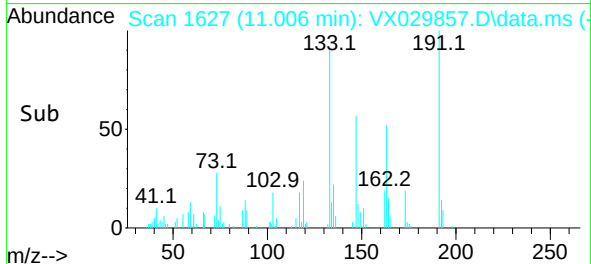
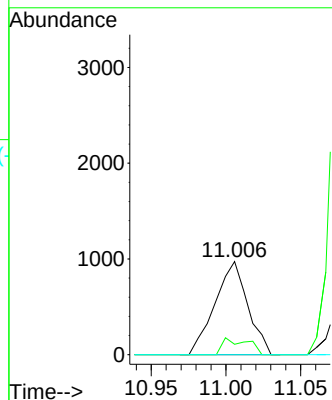
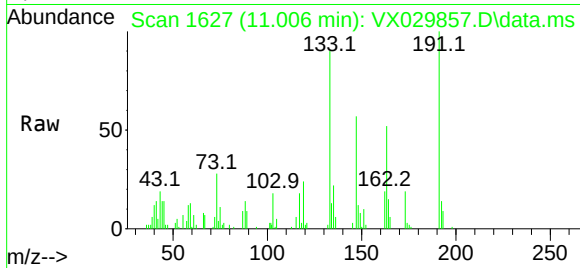




#71
Bromoform
Concen: 0.894 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.201 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

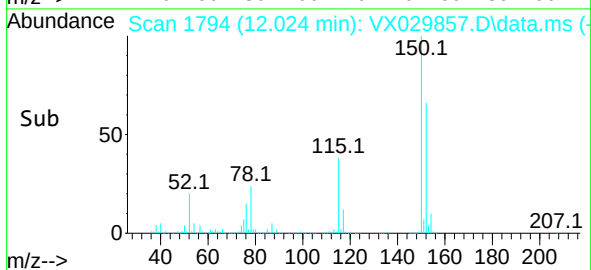
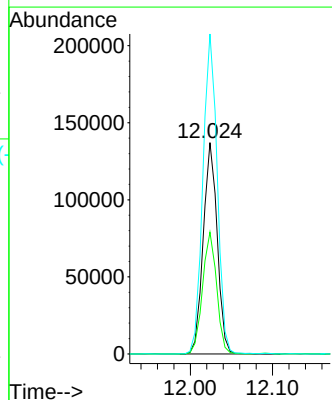
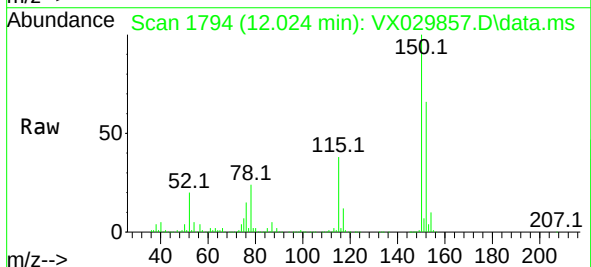
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

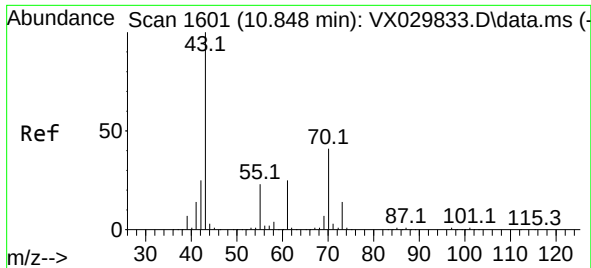
Tgt Ion:173 Resp: 1486
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion:152 Resp: 161999
Ion Ratio Lower Upper
152 100
115 57.9 40.5 121.5
150 154.6 0.0 347.0

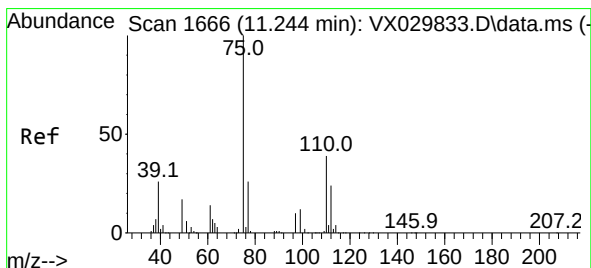
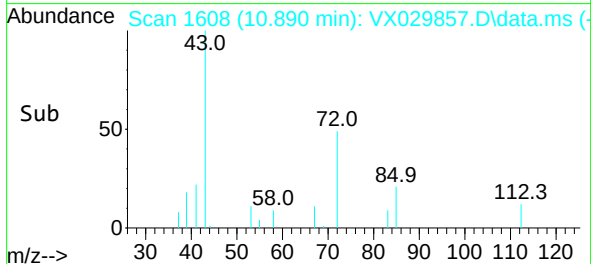
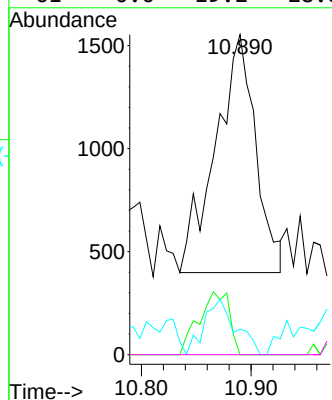
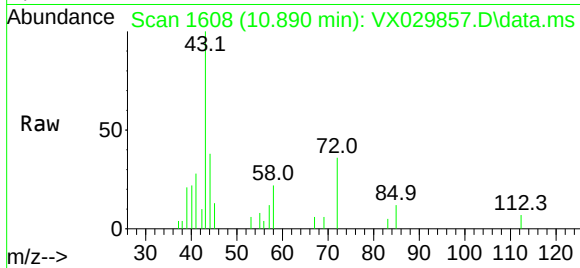




#74
N-amy1 acetate
Concen: 0.506 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.042 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

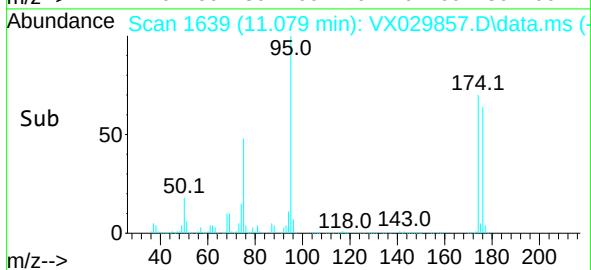
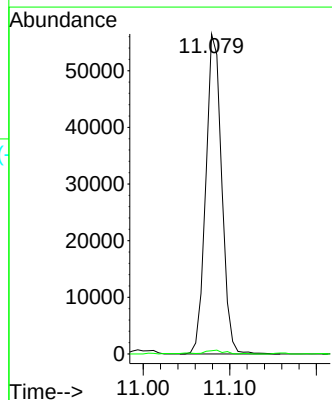
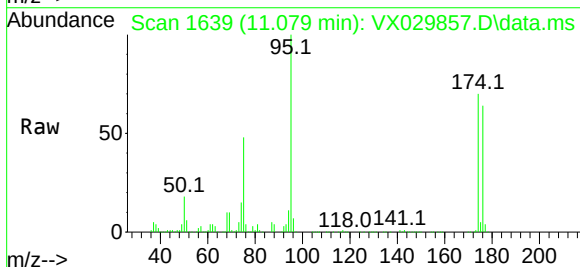
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

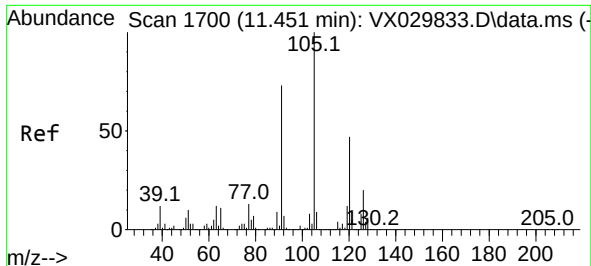
Tgt Ion: 43 Resp: 2935
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 18.4 27.6#
61 0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 18.528 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 75 Resp: 71854
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#

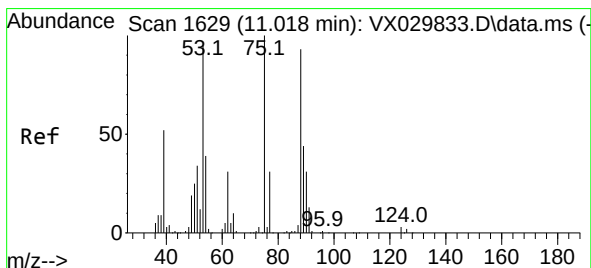
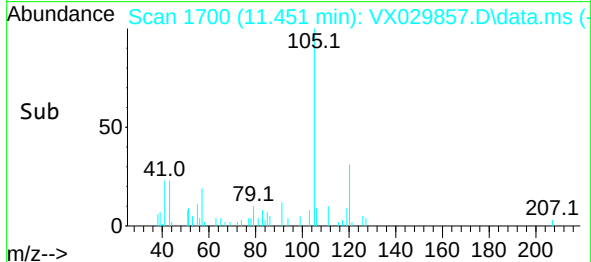
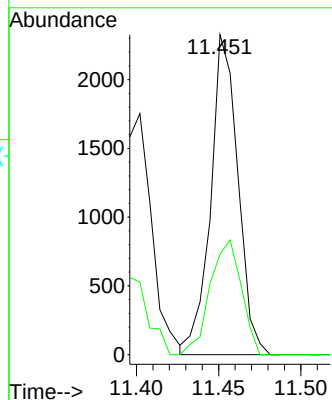
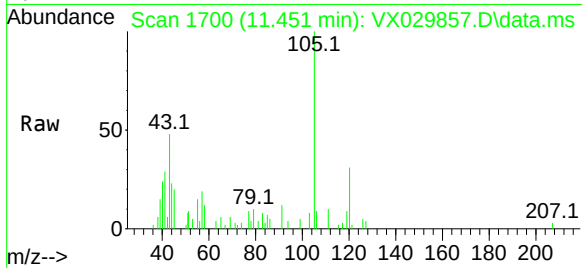




#80
1,3,5-Trimethylbenzene
Concen: 0.275 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

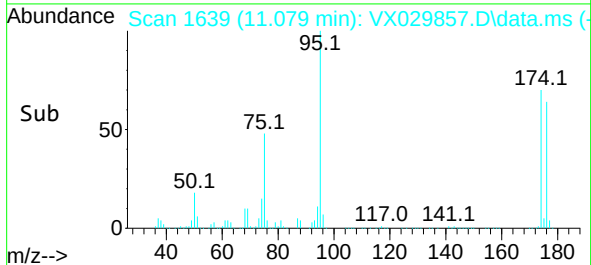
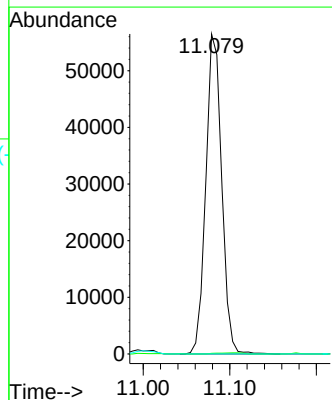
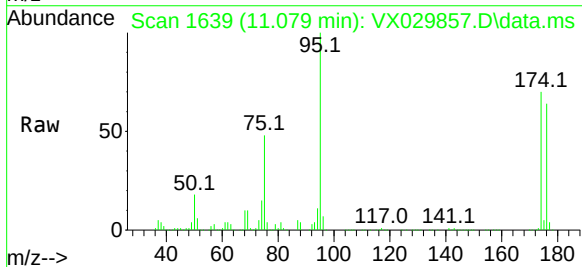
Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

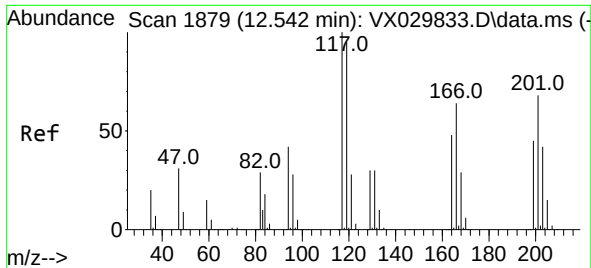
Tgt Ion:105 Resp: 2678
Ion Ratio Lower Upper
105 100
120 41.2 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 58.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion: 75 Resp: 71854
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

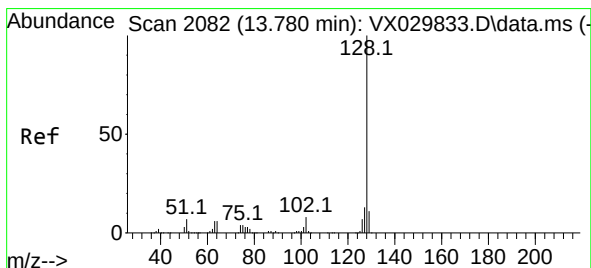
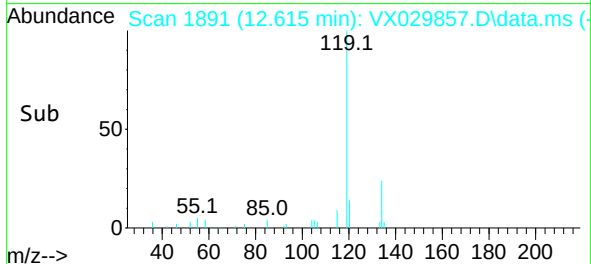
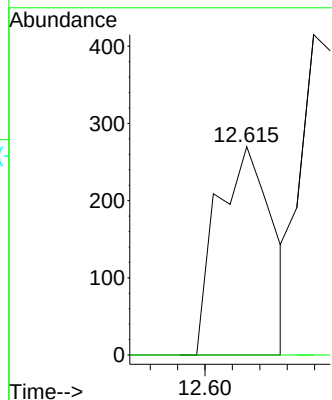
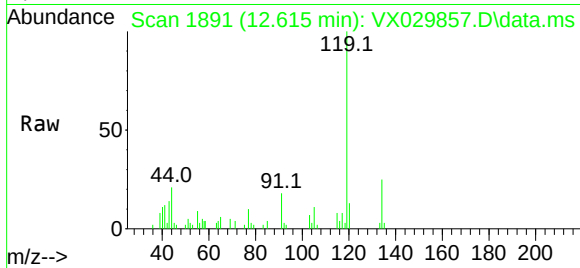




#90
Hexachloroethane
Concen: 0.237 ug/l
RT: 12.615 min Scan# 1879
Delta R.T. 0.073 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Instrument :
MSVOA_X
ClientSampleId :
AUD-1613

Tgt Ion:117 Resp: 375
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#



#95
Naphthalene
Concen: 1.439 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX029857.D
Acq: 29 Jun 2022 13:23

Tgt Ion:128 Resp: 18824
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.1 8.6 13.0

