

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
 Data File : VX031136.D
 Acq On : 06 Sep 2022 18:23
 Operator : JC/MD
 Sample : N4489-04DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-0045DL

Quant Time: Sep 06 19:11:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

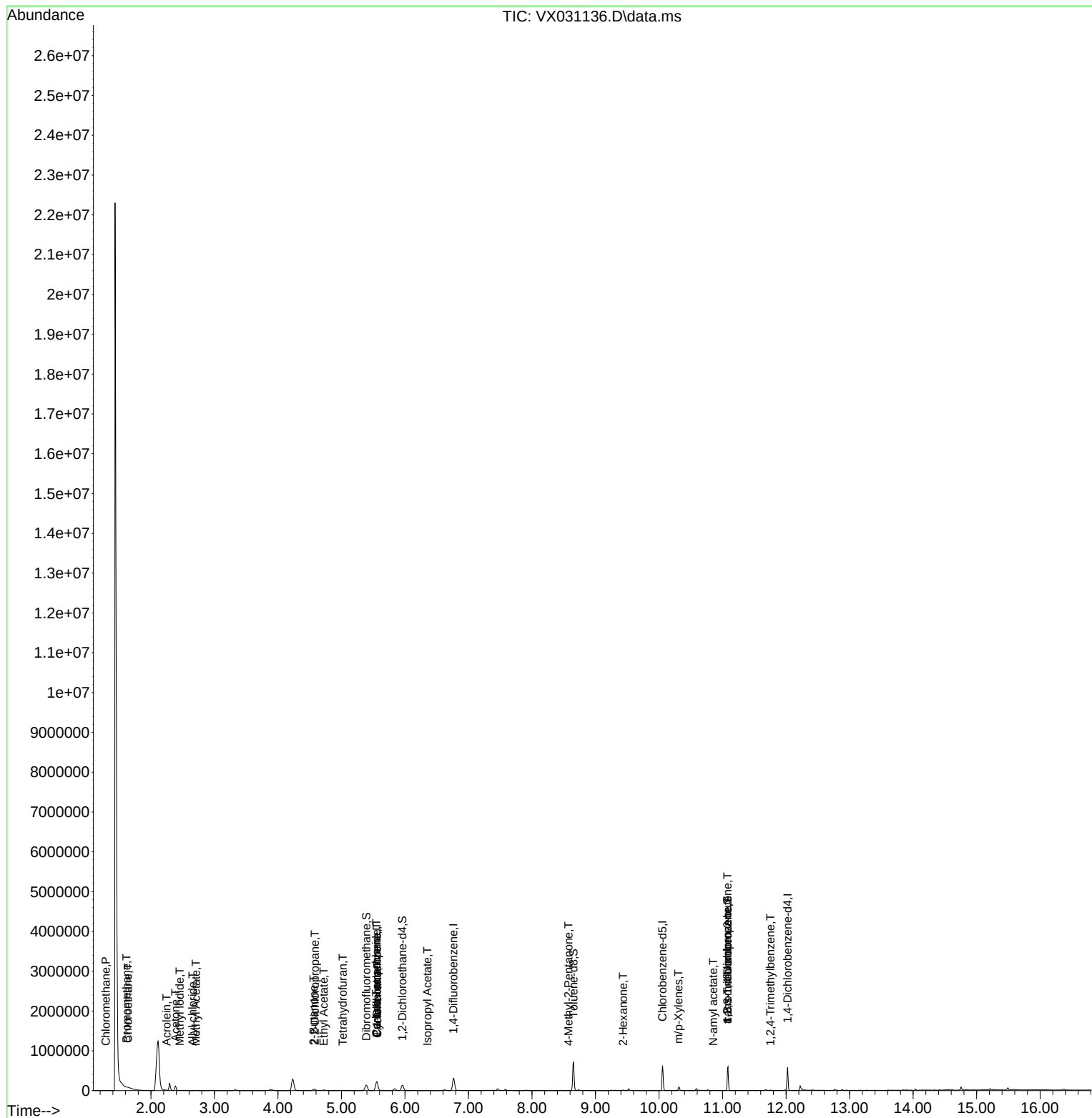
Internal Standards						
1) Pentafluorobenzene	5.556	168	224515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	354212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138710	48.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.040%		
35) Dibromofluoromethane	5.391	113	126273	48.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.700%		
50) Toluene-d8	8.653	98	460090	48.362	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.720%		
62) 4-Bromofluorobenzene	11.079	95	158814	47.264	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.520%		
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	176	0.779	ug/l #	82
5) Bromomethane	1.618	94	314	0.291	ug/l #	33
6) Chloroethane	1.636	64	692	2.116	ug/l #	41
10) Methyl Iodide	2.453	142	239	2.995	ug/l #	67
11) Tert butyl alcohol	2.965	59	9115	Below Cal		95
13) Acrolein	2.245	56	748	1.415	ug/l	85
14) Allyl chloride	2.654	41	733	0.212	ug/l #	27
16) Acetone	2.386	43	115976	103.993	ug/l	99
18) Methyl Acetate	2.709	43	4254	1.327	ug/l #	73
20) Methylene Chloride	2.788	84	246	Below Cal	#	64
25) 2-Butanone	4.562	43	51953	30.175	ug/l #	85
26) 2,2-Dichloropropane	4.580	77	963	0.257	ug/l #	49
29) Tetrahydrofuran	5.019	42	460	0.414	ug/l #	32
31) Cyclohexane	5.562	56	3571	0.905	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14369	3.969	ug/l #	51
37) Ethyl Acetate	4.721	43	26861	8.538	ug/l #	88
38) Carbon Tetrachloride	5.550	117	21248	5.654	ug/l #	18
43) Isopropyl Acetate	6.354	43	2157	0.439	ug/l #	60
51) 4-Methyl-2-Pentanone	8.574	43	2396	0.758	ug/l	98
59) 2-Hexanone	9.433	43	7142	2.988	ug/l	88
68) m/p-Xylenes	10.305	106	1966	0.397	ug/l	98
74) N-amyl acetate	10.854	43	1543	0.477	ug/l #	4
76) 1,2,3-Trichloropropane	11.079	75	73404	23.337	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	73404	73.341	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.756	105	3584	0.399	ug/l #	44

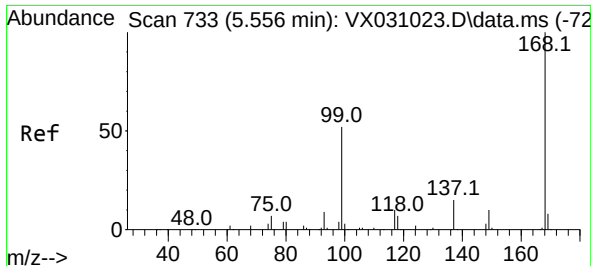
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
Data File : VX031136.D
Acq On : 06 Sep 2022 18:23
Operator : JC/MD
Sample : N4489-04DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

Quant Time: Sep 06 19:11:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

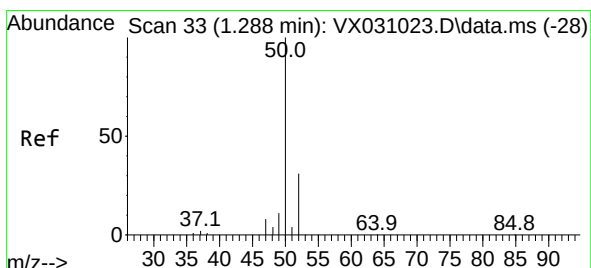
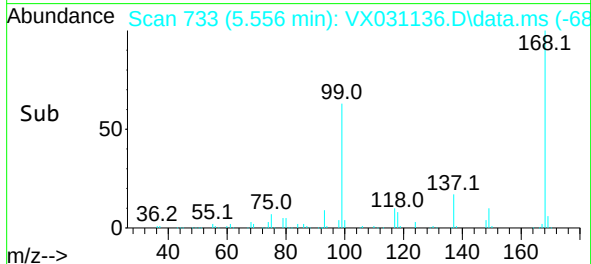
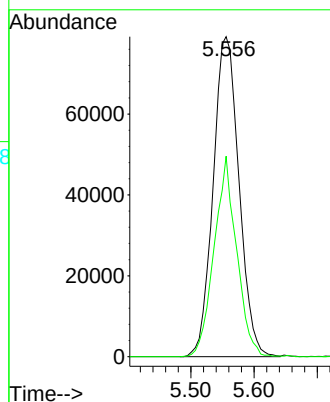
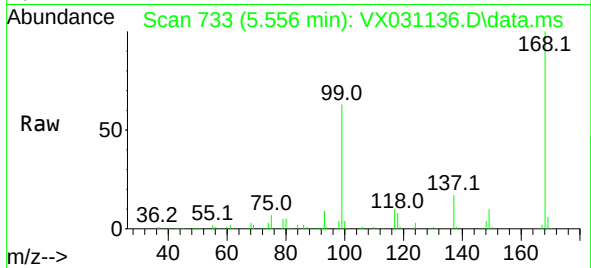




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

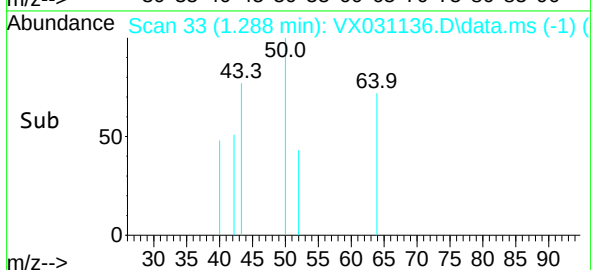
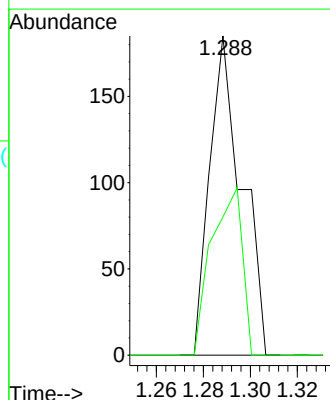
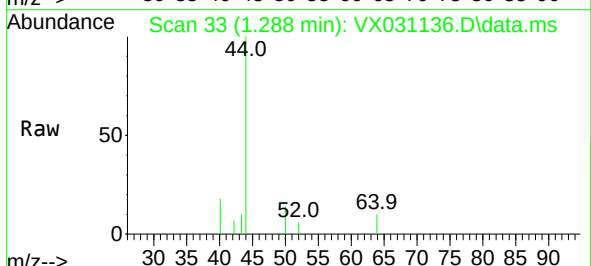
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

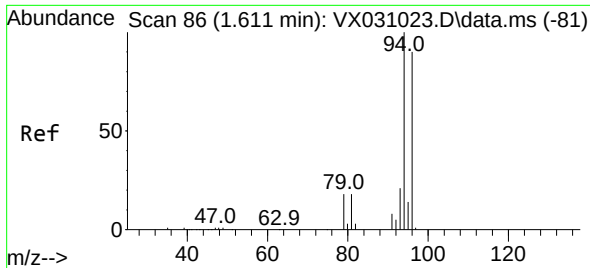
Tgt Ion:168 Resp: 224515
Ion Ratio Lower Upper
168 100
99 62.6 44.0 66.0



#3
Chloromethane
Concen: 0.779 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 50 Resp: 176
Ion Ratio Lower Upper
50 100
52 43.2 26.3 39.5#

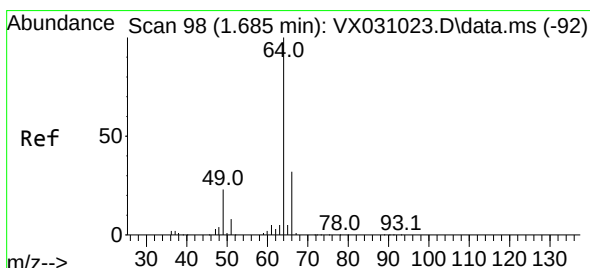
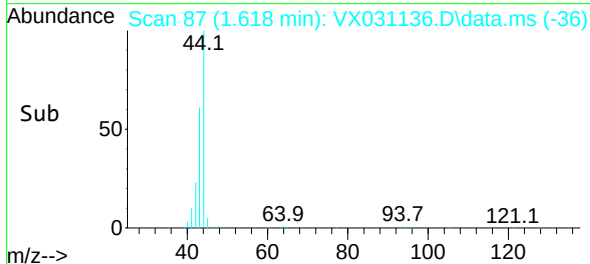
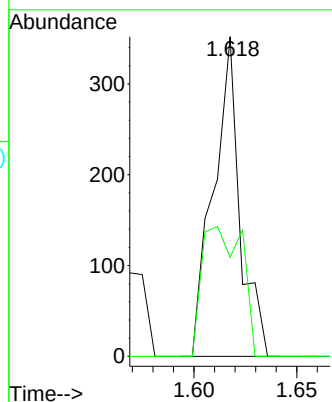
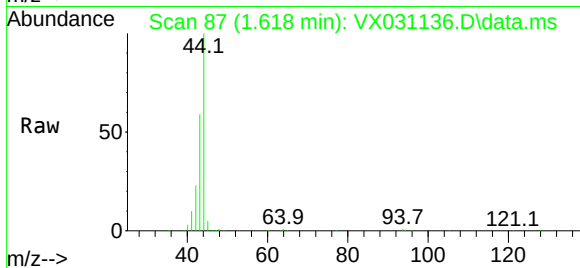




#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

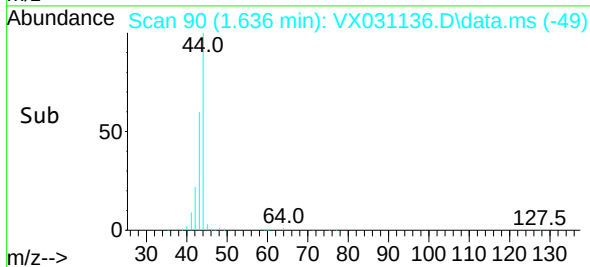
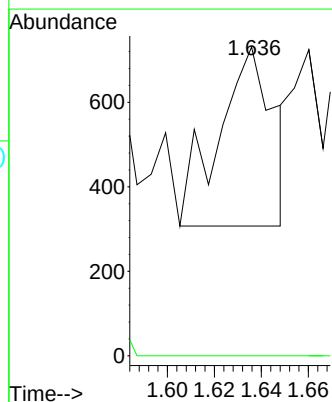
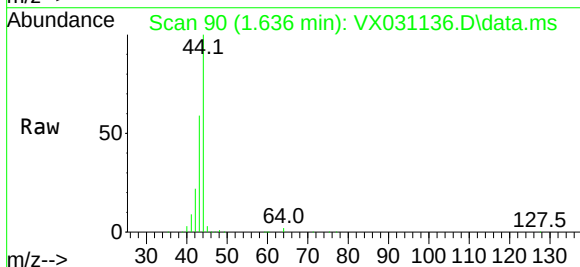
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

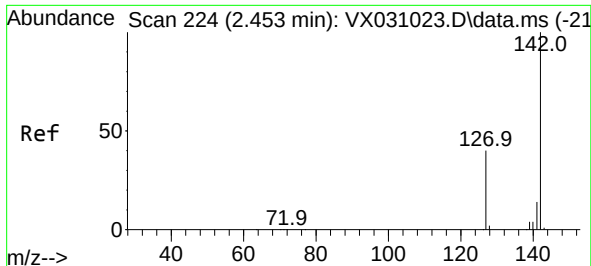
Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 31.0 76.9 115.3#



#6
Chloroethane
Concen: 2.116 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.049 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 64 Resp: 692
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

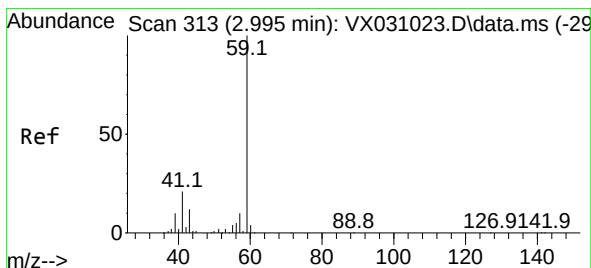
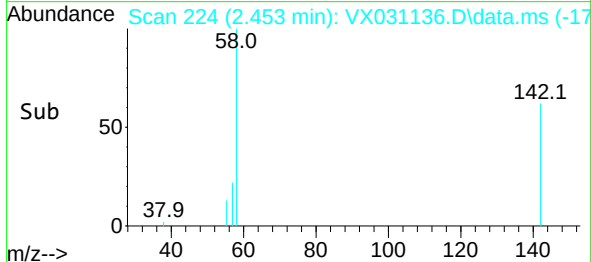
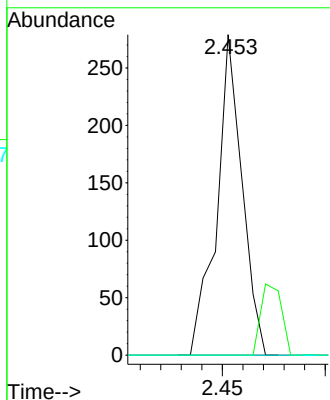
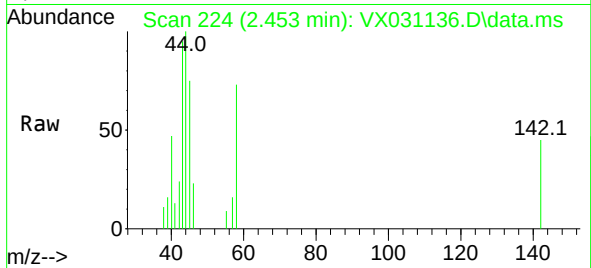




#10
Methyl Iodide
Concen: 2.995 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

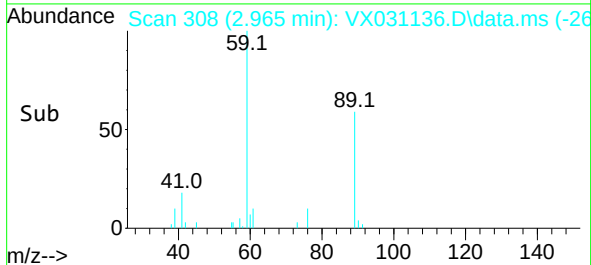
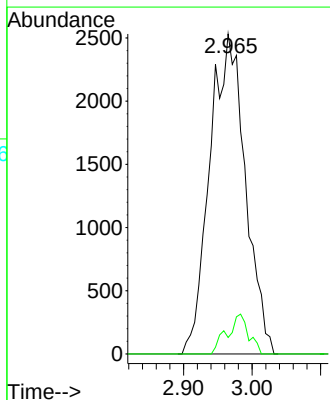
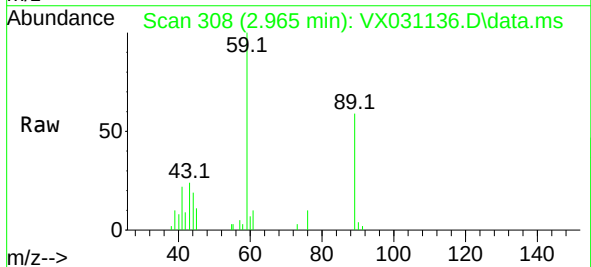
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

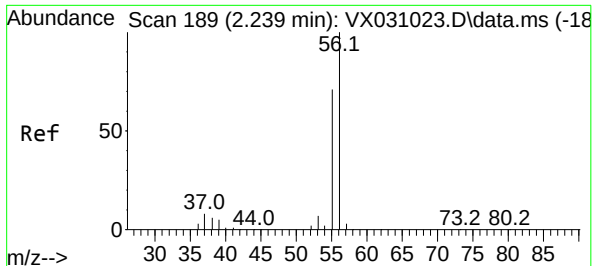
Tgt Ion:142 Resp: 239
Ion Ratio Lower Upper
142 100
127 18.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 59 Resp: 9115
Ion Ratio Lower Upper
59 100
57 7.5 7.4 11.2

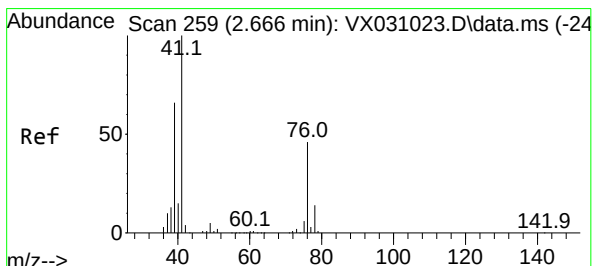
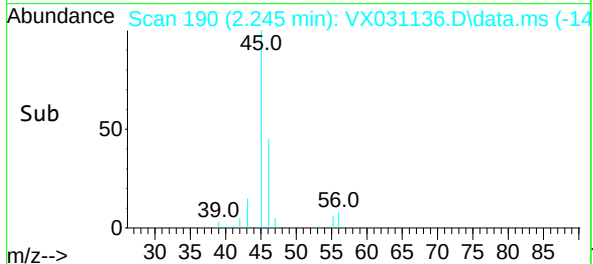
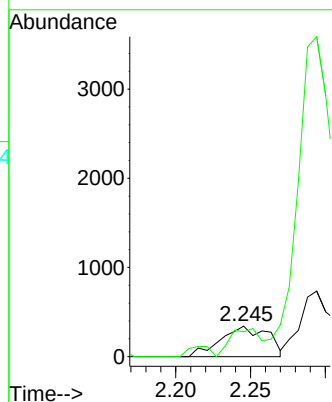
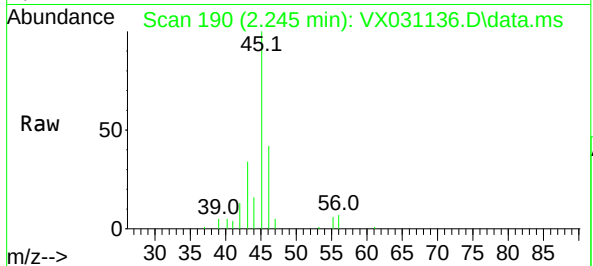




#13
Acrolein
Concen: 1.415 ug/l
RT: 2.245 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

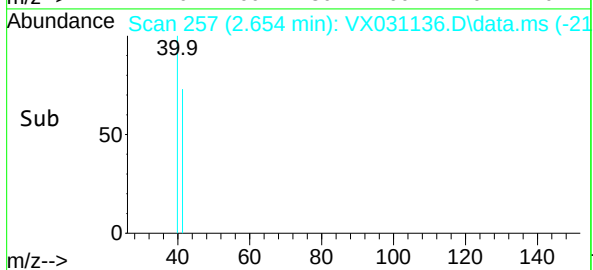
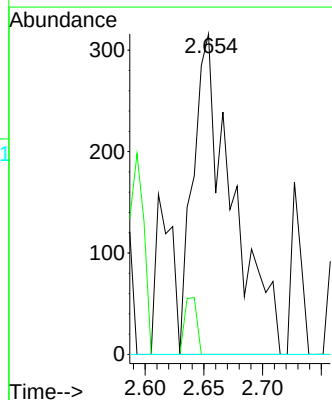
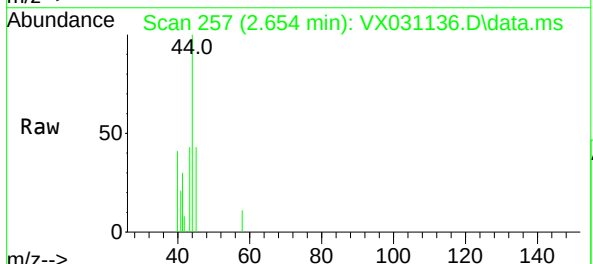
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

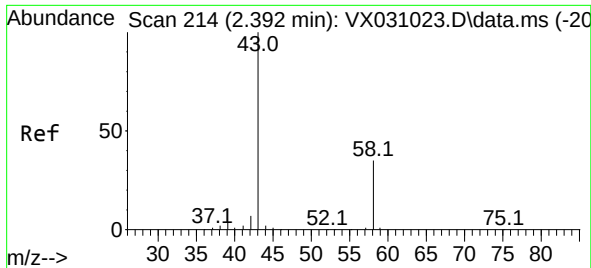
Tgt Ion: 56 Resp: 748
Ion Ratio Lower Upper
56 100
55 58.4 56.6 84.8



#14
Allyl chloride
Concen: 0.212 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 41 Resp: 733
Ion Ratio Lower Upper
41 100
39 0.0 48.9 73.3#
76 0.0 26.9 40.3#

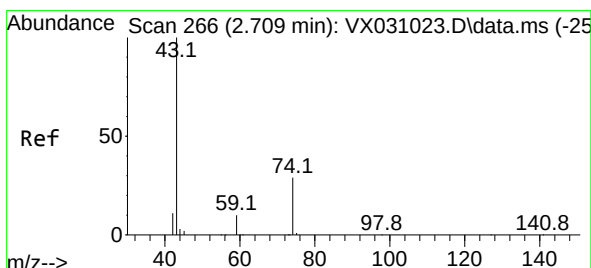
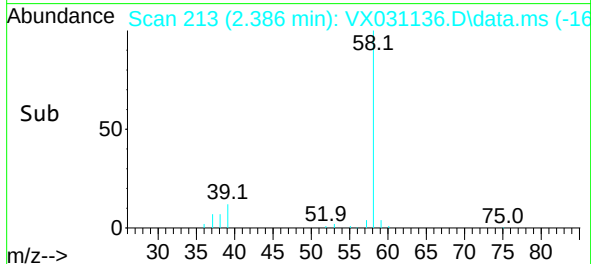
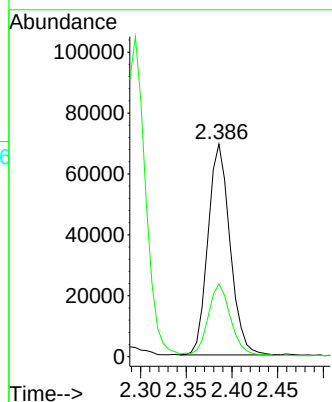
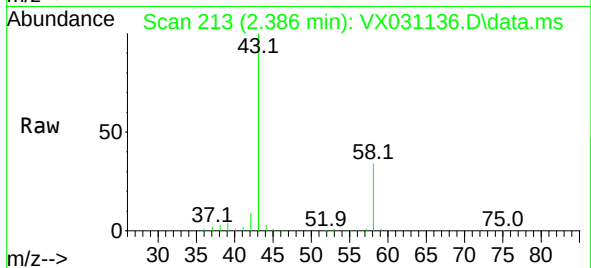




#16
Acetone
Concen: 103.993 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

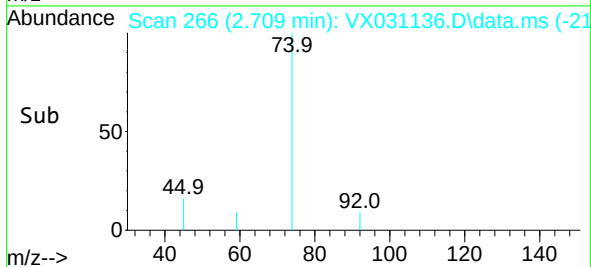
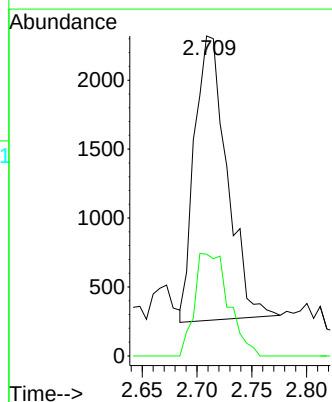
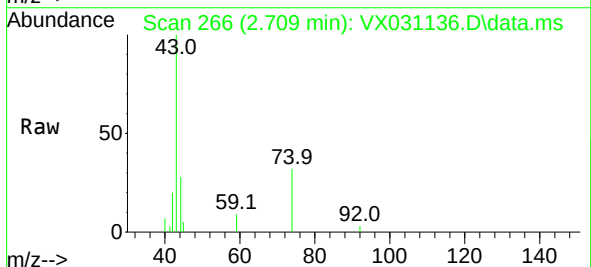
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

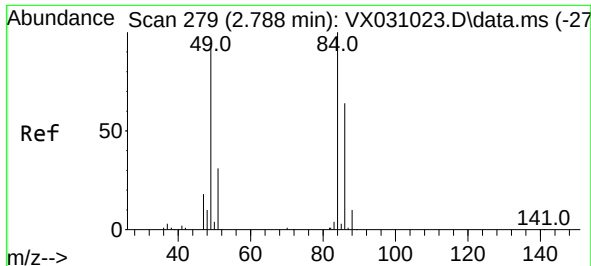
Tgt Ion: 43 Resp: 115976
Ion Ratio Lower Upper
43 100
58 33.9 27.7 41.5



#18
Methyl Acetate
Concen: 1.327 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
74 37.6 19.4 29.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031136.D

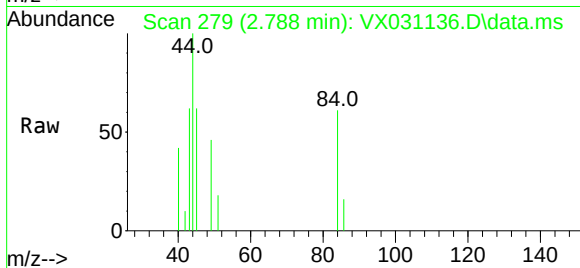
Acq: 06 Sep 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

ORA-0045DL



Tgt Ion: 84 Resp: 246

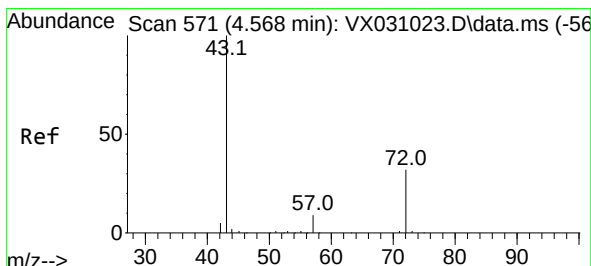
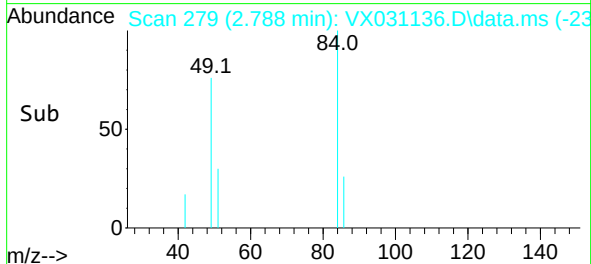
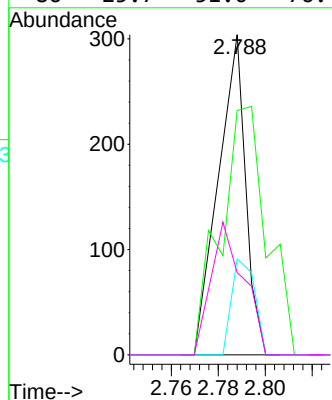
Ion Ratio Lower Upper

84 100

49 76.3 93.8 140.6#

51 29.9 29.4 44.0

86 25.7 51.0 76.4#



#25

2-Butanone

Concen: 30.175 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.006 min

Lab File: VX031136.D

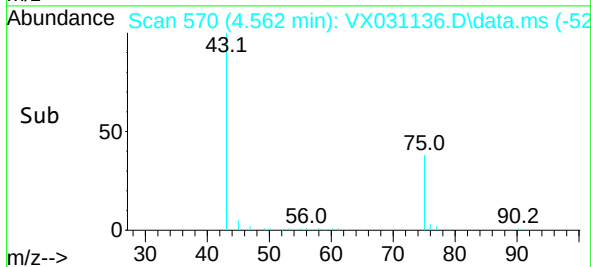
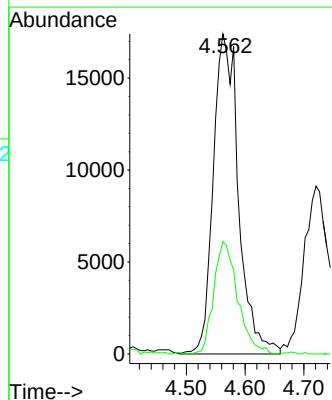
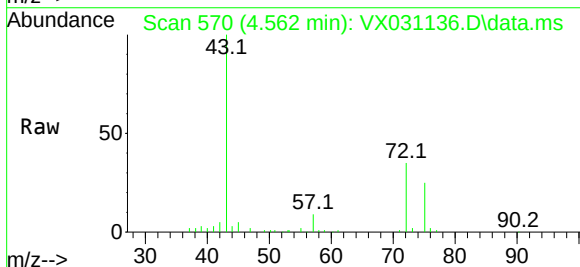
Acq: 06 Sep 2022 18:23

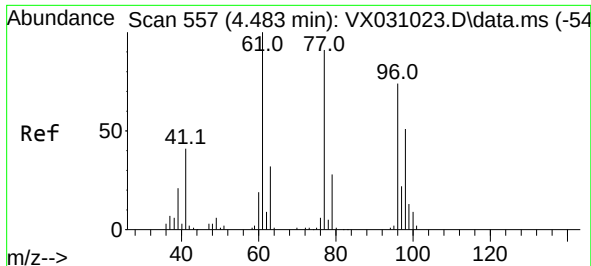
Tgt Ion: 43 Resp: 51953

Ion Ratio Lower Upper

43 100

72 35.1 21.7 32.5#

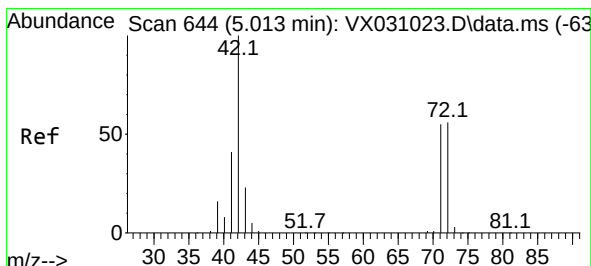
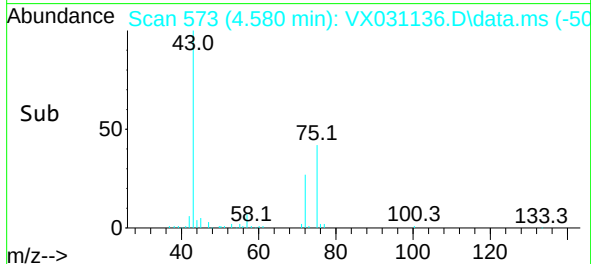
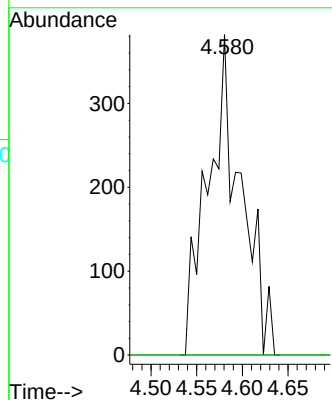
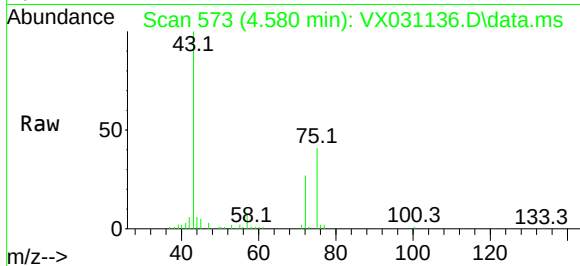




#26
2,2-Dichloropropane
Concen: 0.257 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.103 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

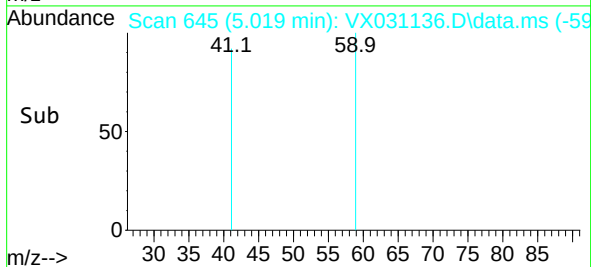
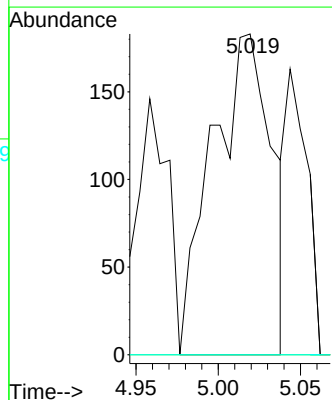
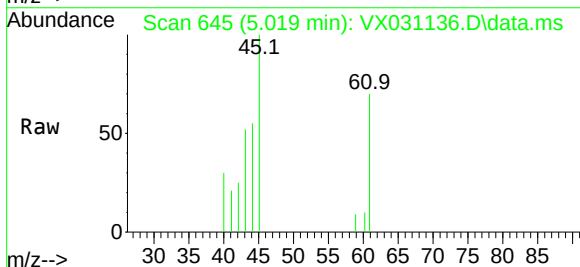
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

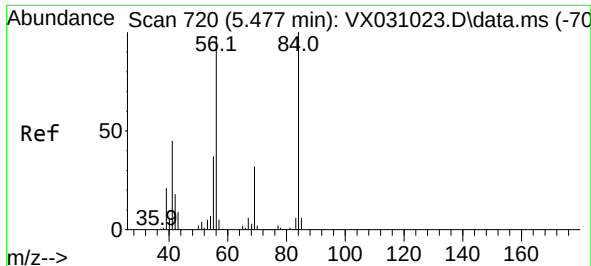
Tgt Ion: 77 Resp: 963
Ion Ratio Lower Upper
77 100
97 0.0 13.0 39.0#



#29
Tetrahydrofuran
Concen: 0.414 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

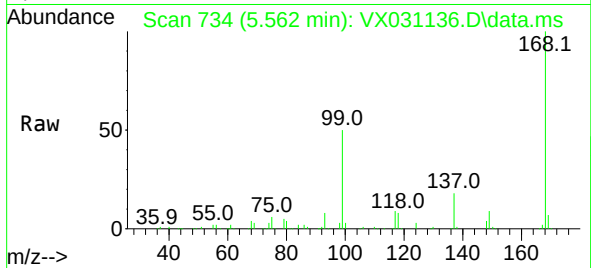
Tgt Ion: 42 Resp: 460
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.9 50.9#



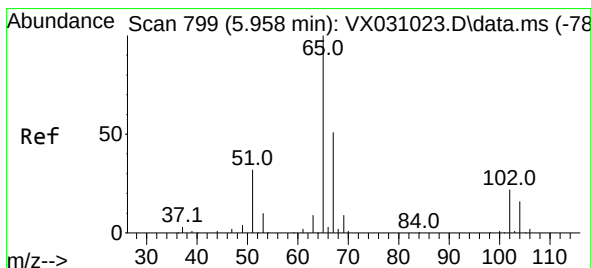
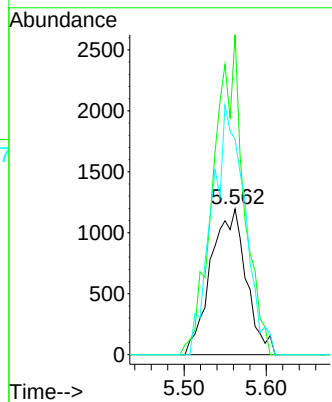
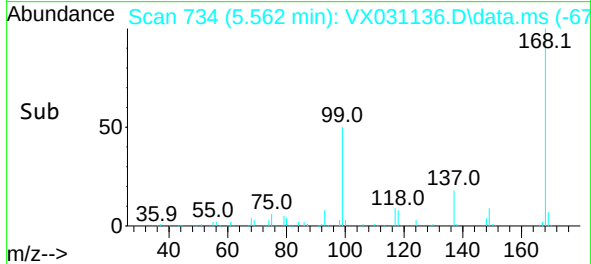


#31
Cyclohexane
Concen: 0.905 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

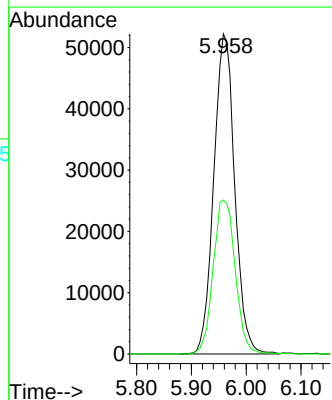
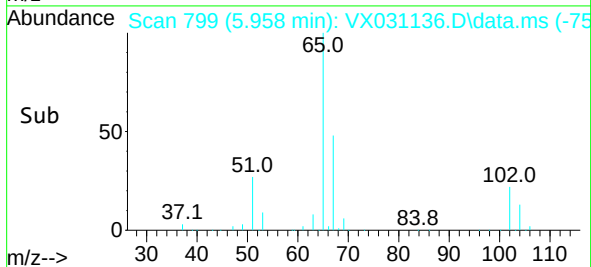
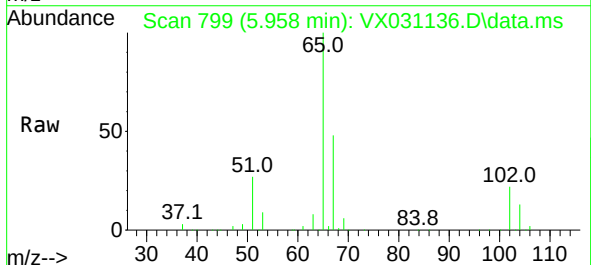


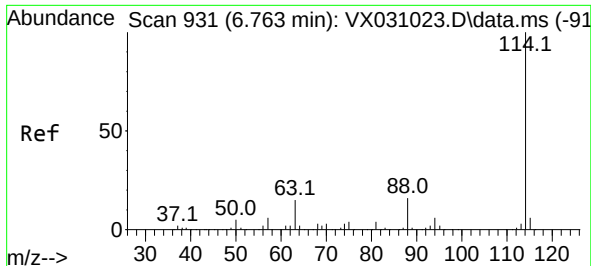
Tgt Ion: 56 Resp: 3571
Ion Ratio Lower Upper
56 100
69 219.8 25.4 38.0#
84 148.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.016 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 65 Resp: 138710
Ion Ratio Lower Upper
65 100
67 50.7 0.0 109.6

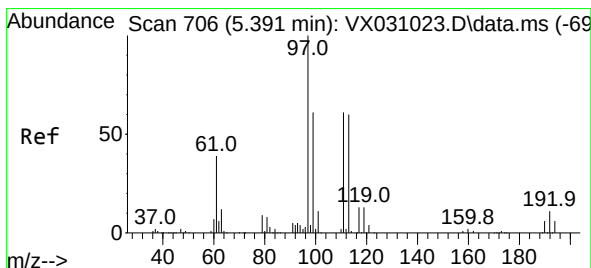
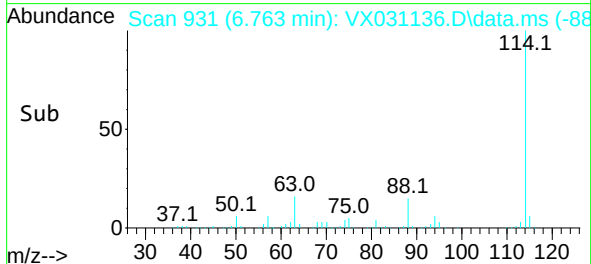
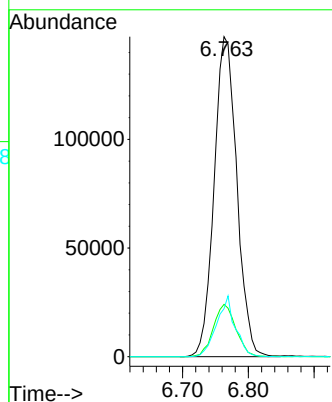
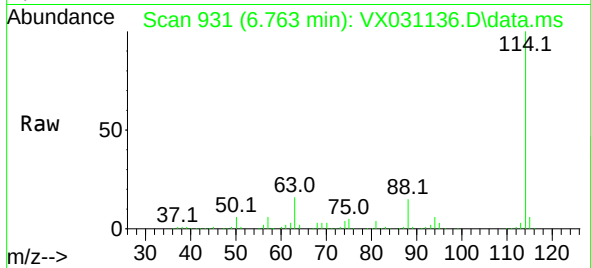




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

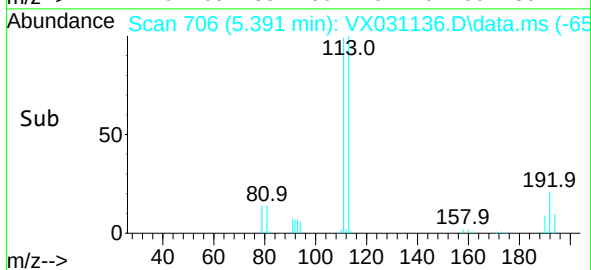
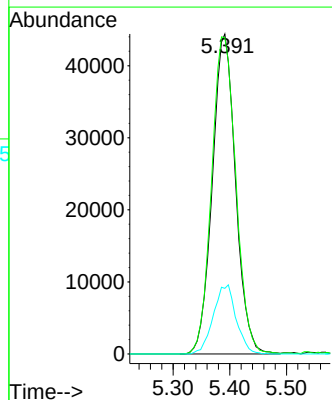
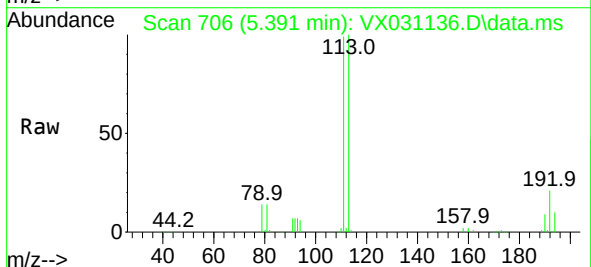
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

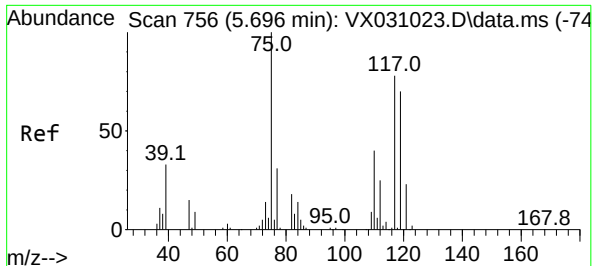
Tgt Ion:114 Resp: 354212
Ion Ratio Lower Upper
114 100
63 16.4 0.0 38.4
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.850 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion:113 Resp: 126273
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 21.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.969 ug/l

RT: 5.556 min Scan# 756

Delta R.T. -0.140 min

Lab File: VX031136.D

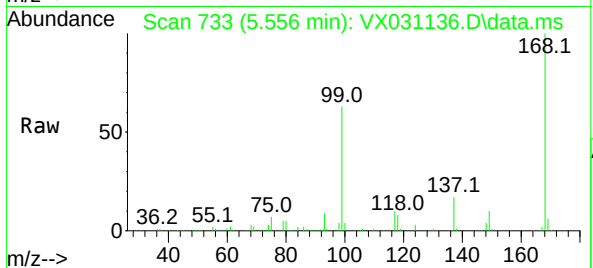
Acq: 06 Sep 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

ORA-0045DL



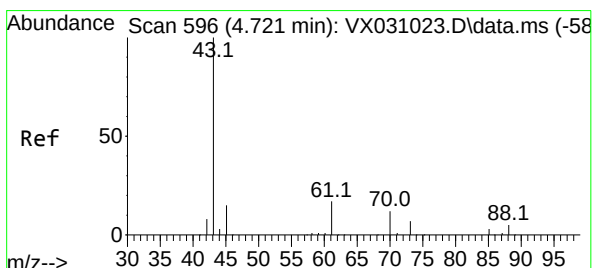
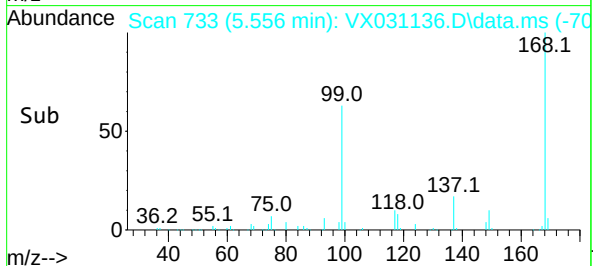
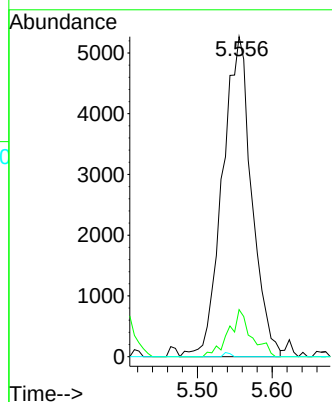
Tgt Ion: 75 Resp: 14369

Ion Ratio Lower Upper

75 100

110 11.4 19.3 57.9#

77 0.3 24.4 36.6#



#37

Ethyl Acetate

Concen: 8.538 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031136.D

Acq: 06 Sep 2022 18:23

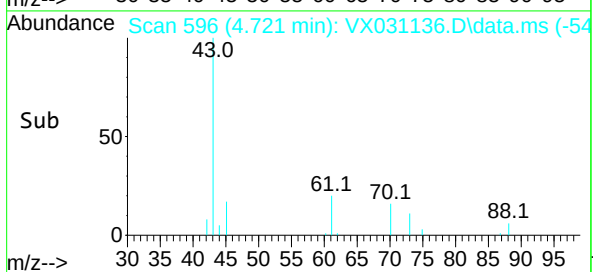
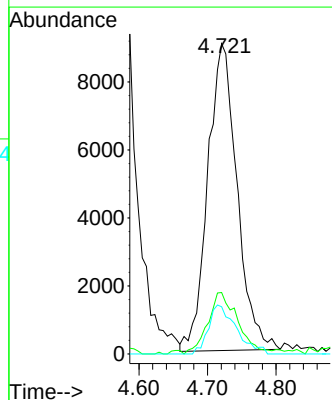
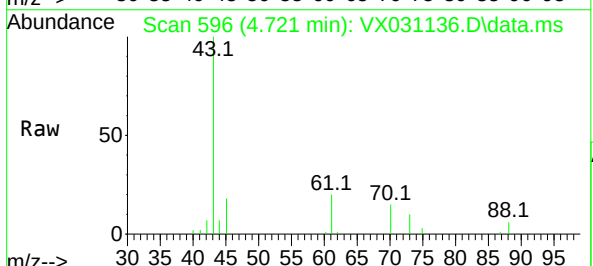
Tgt Ion: 43 Resp: 26861

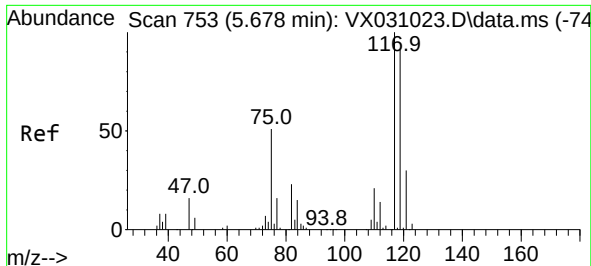
Ion Ratio Lower Upper

43 100

61 20.4 11.7 17.5#

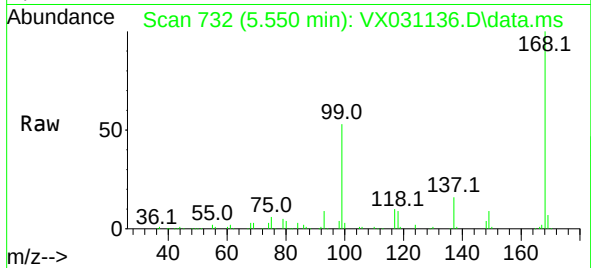
70 15.1 9.3 13.9#



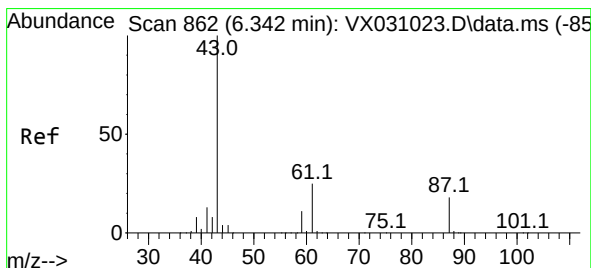
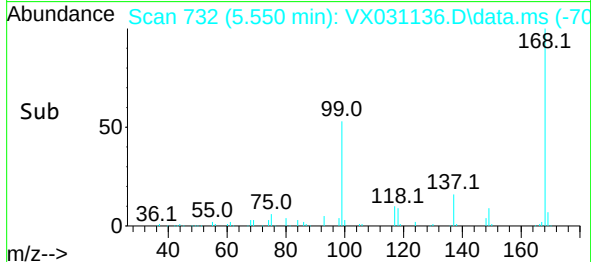
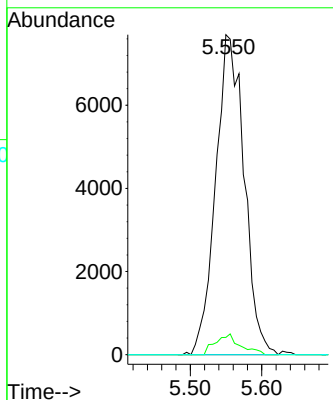


#38
Carbon Tetrachloride
Concen: 5.654 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

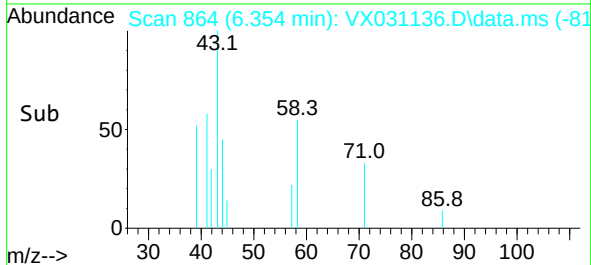
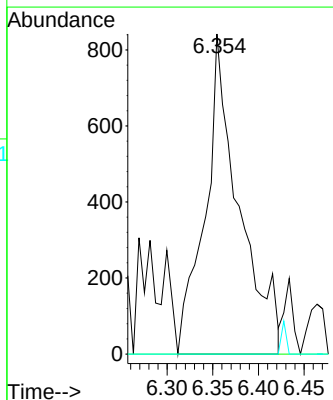
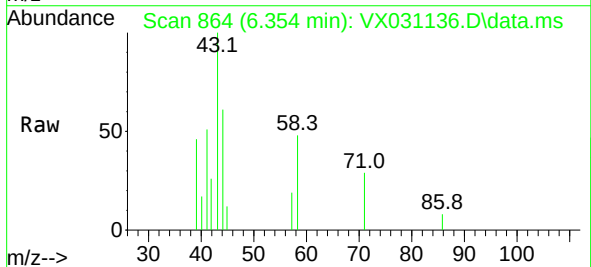


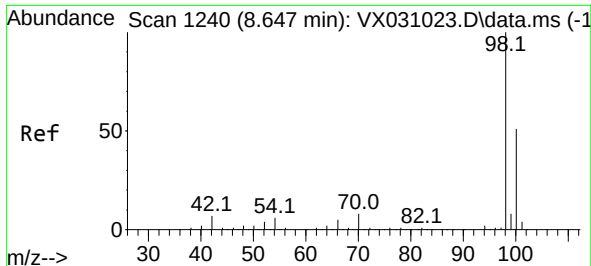
Tgt Ion:117 Resp: 21248
Ion Ratio Lower Upper
117 100
119 5.4 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 0.439 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
61 0.0 16.5 24.7#
87 0.0 11.1 16.7#

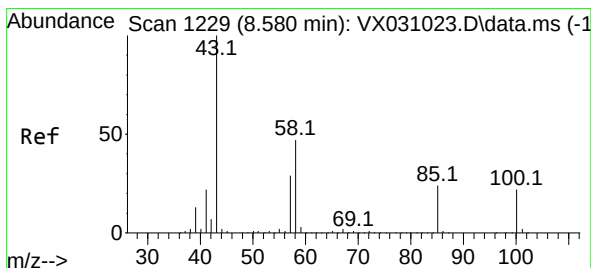
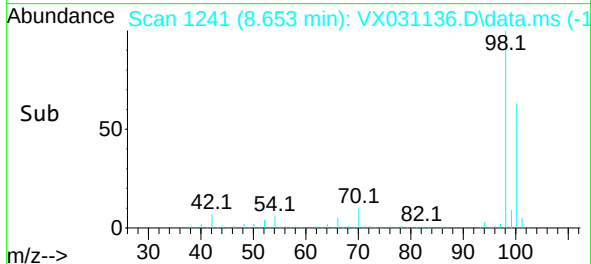
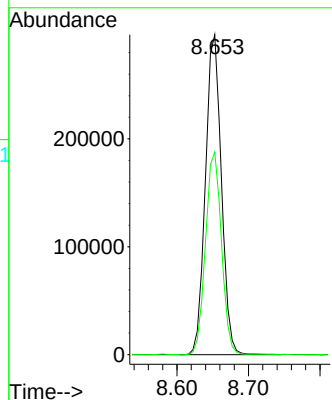
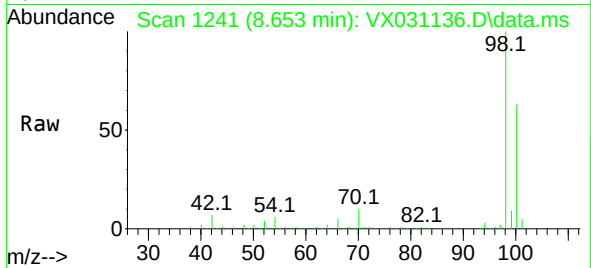




#50
Toluene-d8
Concen: 48.362 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

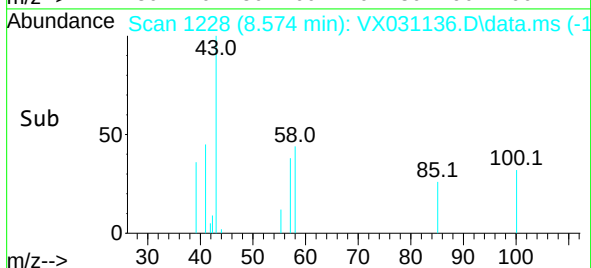
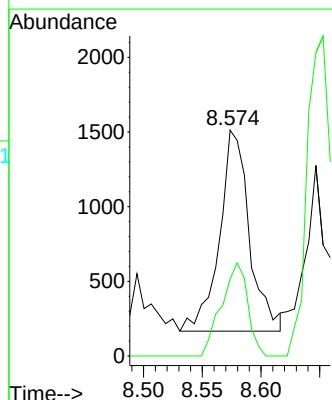
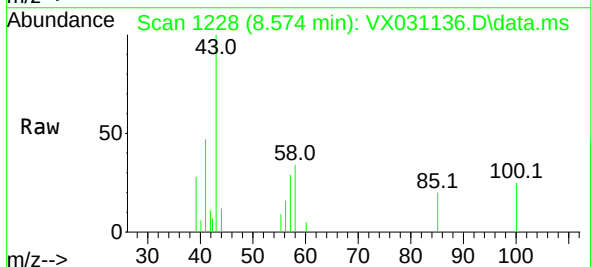
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

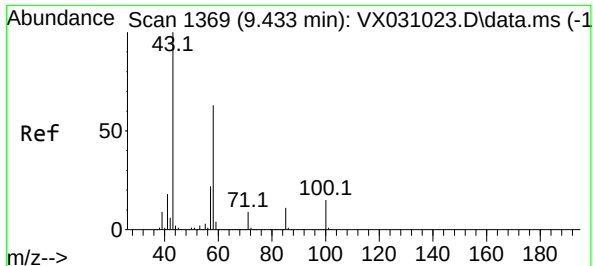
Tgt Ion: 98 Resp: 460090
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.758 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
58 40.3 31.4 47.2





#59

2-Hexanone

Concen: 2.988 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX031136.D

Acq: 06 Sep 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

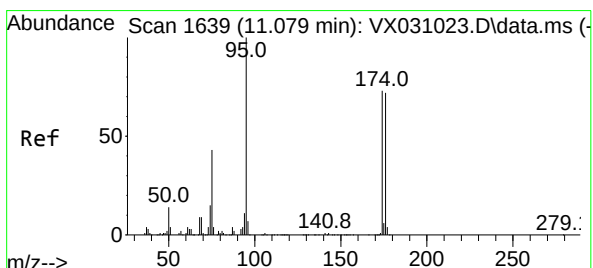
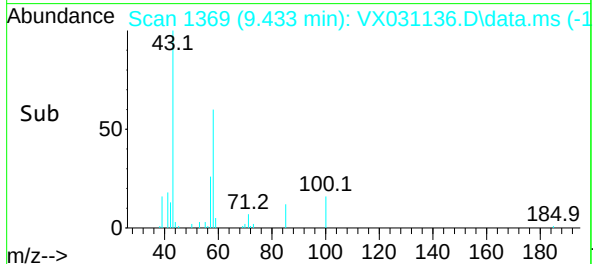
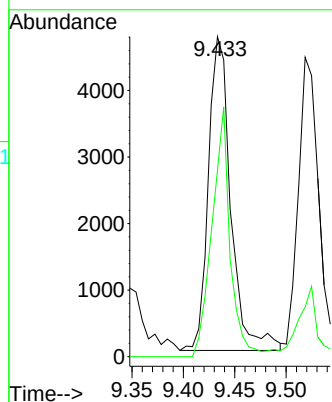
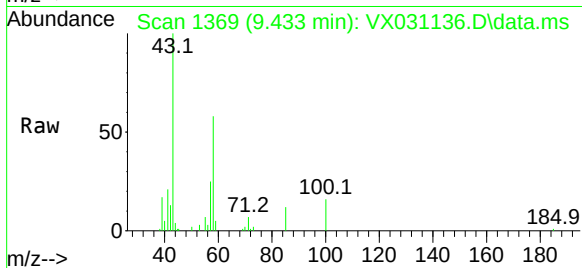
ORA-0045DL

Tgt Ion: 43 Resp: 7142

Ion Ratio Lower Upper

43 100

58 63.7 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 47.264 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX031136.D

Acq: 06 Sep 2022 18:23

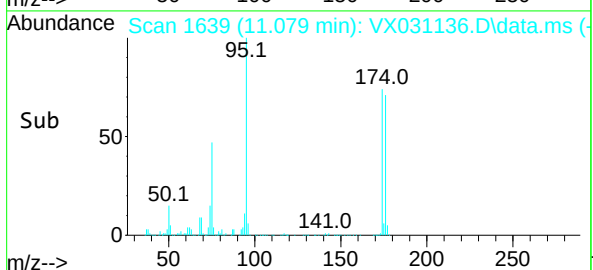
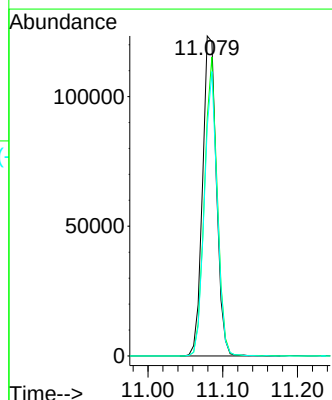
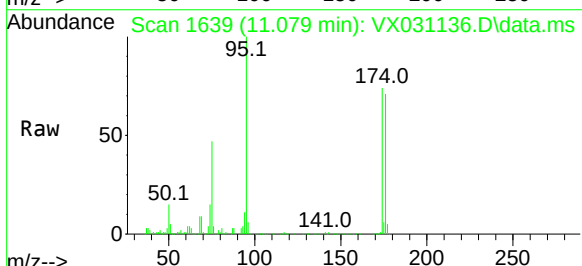
Tgt Ion: 95 Resp: 158814

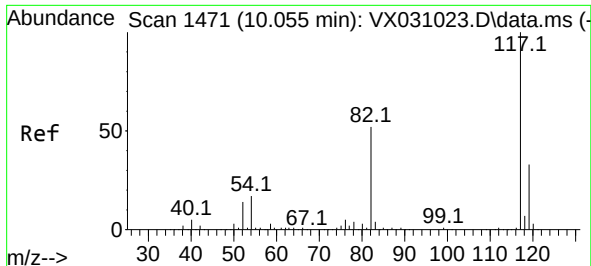
Ion Ratio Lower Upper

95 100

174 86.5 0.0 149.0

176 82.6 0.0 146.0

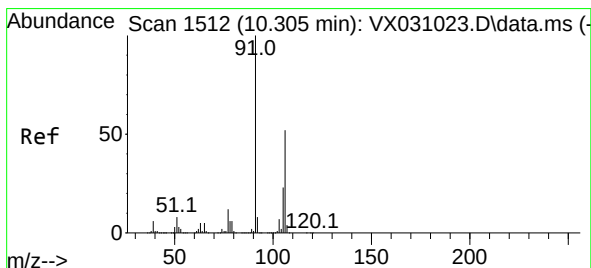
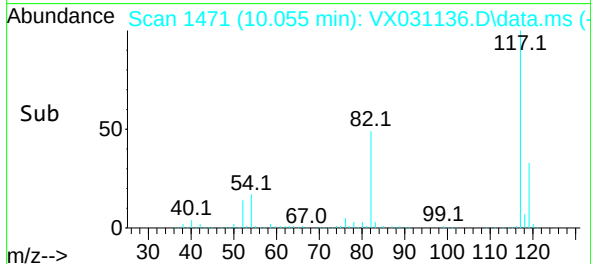
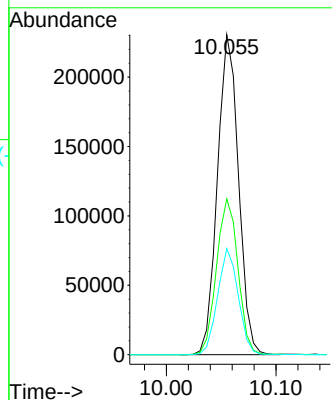
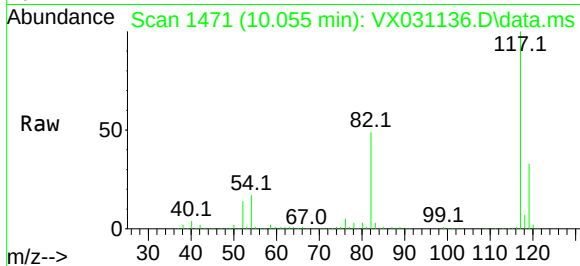




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

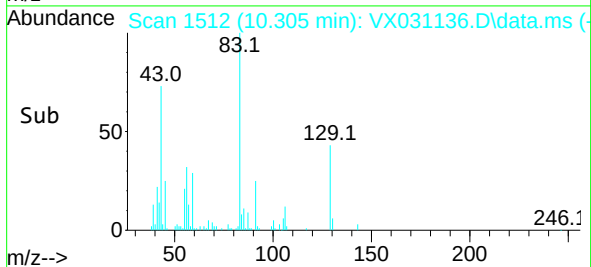
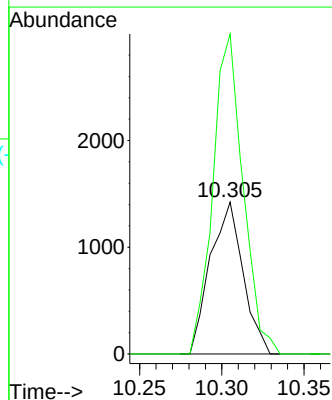
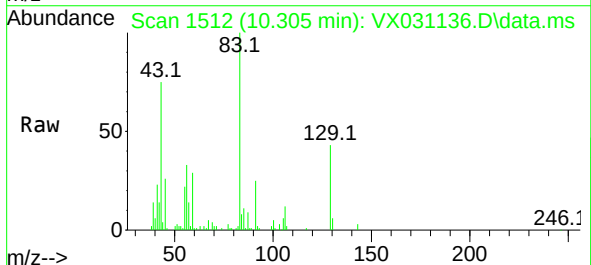
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

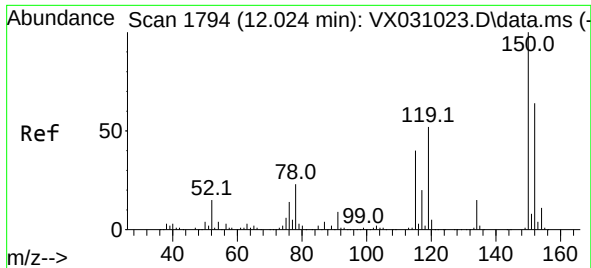
Tgt Ion:117 Resp: 308667
Ion Ratio Lower Upper
117 100
82 48.7 42.7 64.1
119 33.1 25.4 38.2



#68
m/p-Xylenes
Concen: 0.397 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion:106 Resp: 1966
Ion Ratio Lower Upper
106 100
91 194.4 158.2 237.4

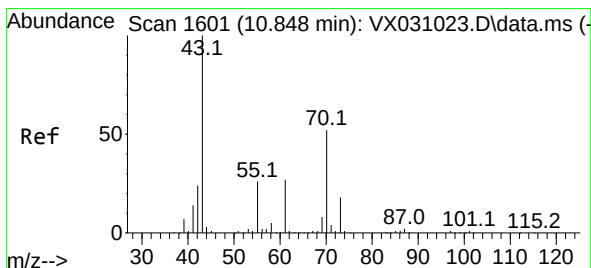
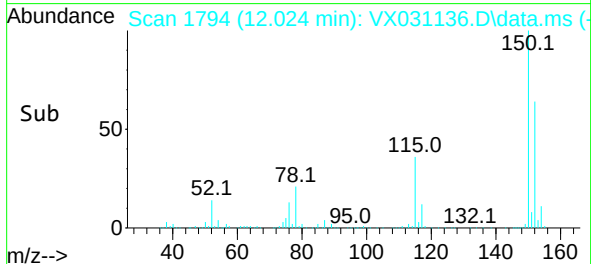
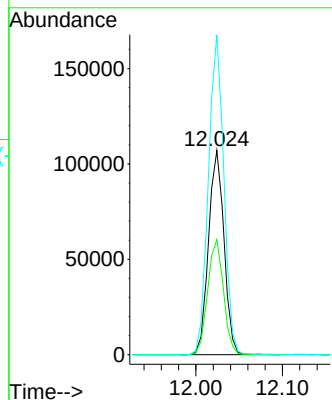
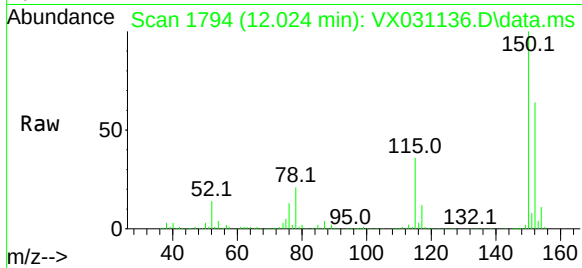




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

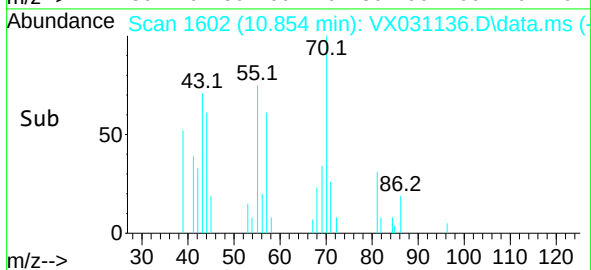
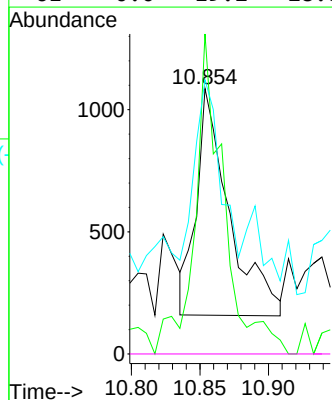
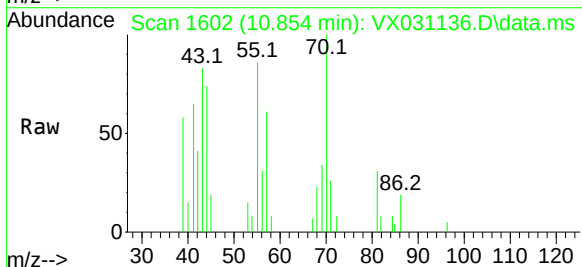
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

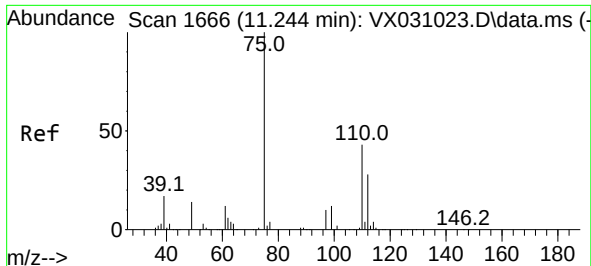
Tgt Ion:152 Resp: 133060
Ion Ratio Lower Upper
152 100
115 57.3 40.5 121.5
150 155.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.477 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 43 Resp: 1543
Ion Ratio Lower Upper
43 100
70 124.8 32.3 48.5#
55 60.3 18.4 27.6#
61 0.0 19.2 28.8#

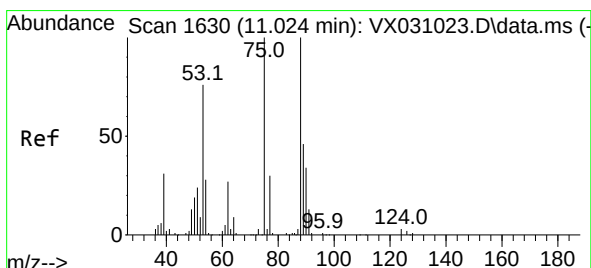
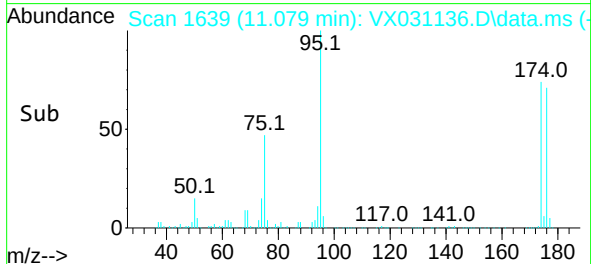
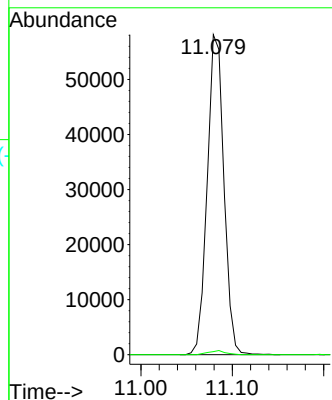
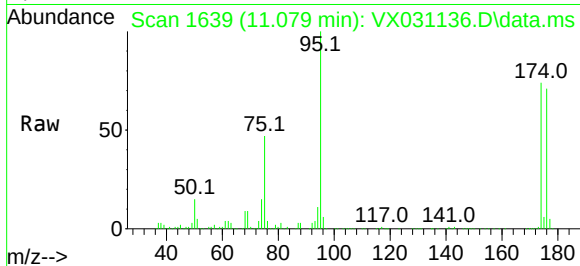




#76
1,2,3-Trichloropropane
Concen: 23.337 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

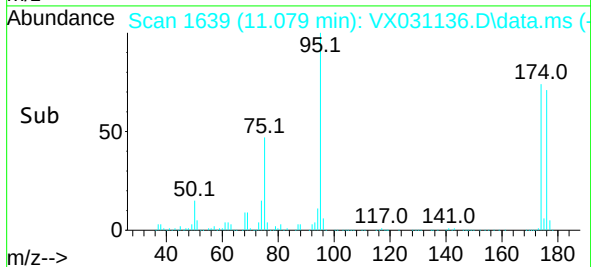
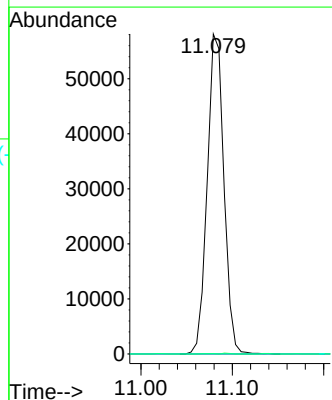
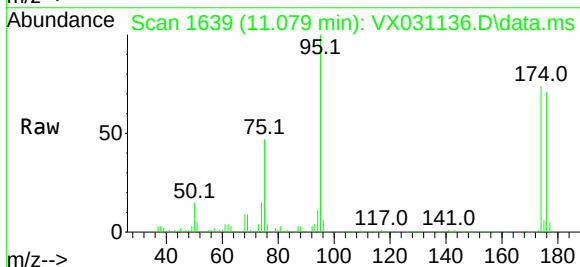
Instrument :
MSVOA_X
ClientSampleId :
ORA-0045DL

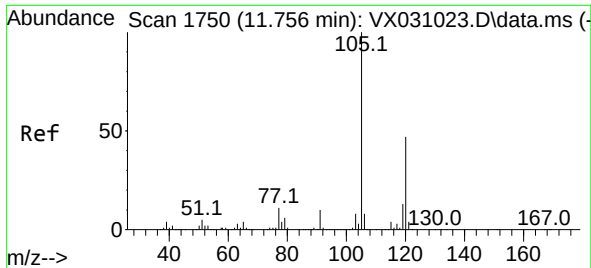
Tgt Ion: 75 Resp: 73404
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.341 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031136.D
Acq: 06 Sep 2022 18:23

Tgt Ion: 75 Resp: 73404
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.399 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX031136.D
 Acq: 06 Sep 2022 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-0045DL

Tgt Ion:105 Resp: 3584
 Ion Ratio Lower Upper
 105 100
 120 8.6 22.9 68.8#

