

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030851.D
 Acq On : 27 Aug 2022 06:39
 Operator : JC/MD
 Sample : N4281-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20220818

Quant Time: Aug 27 22:20:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

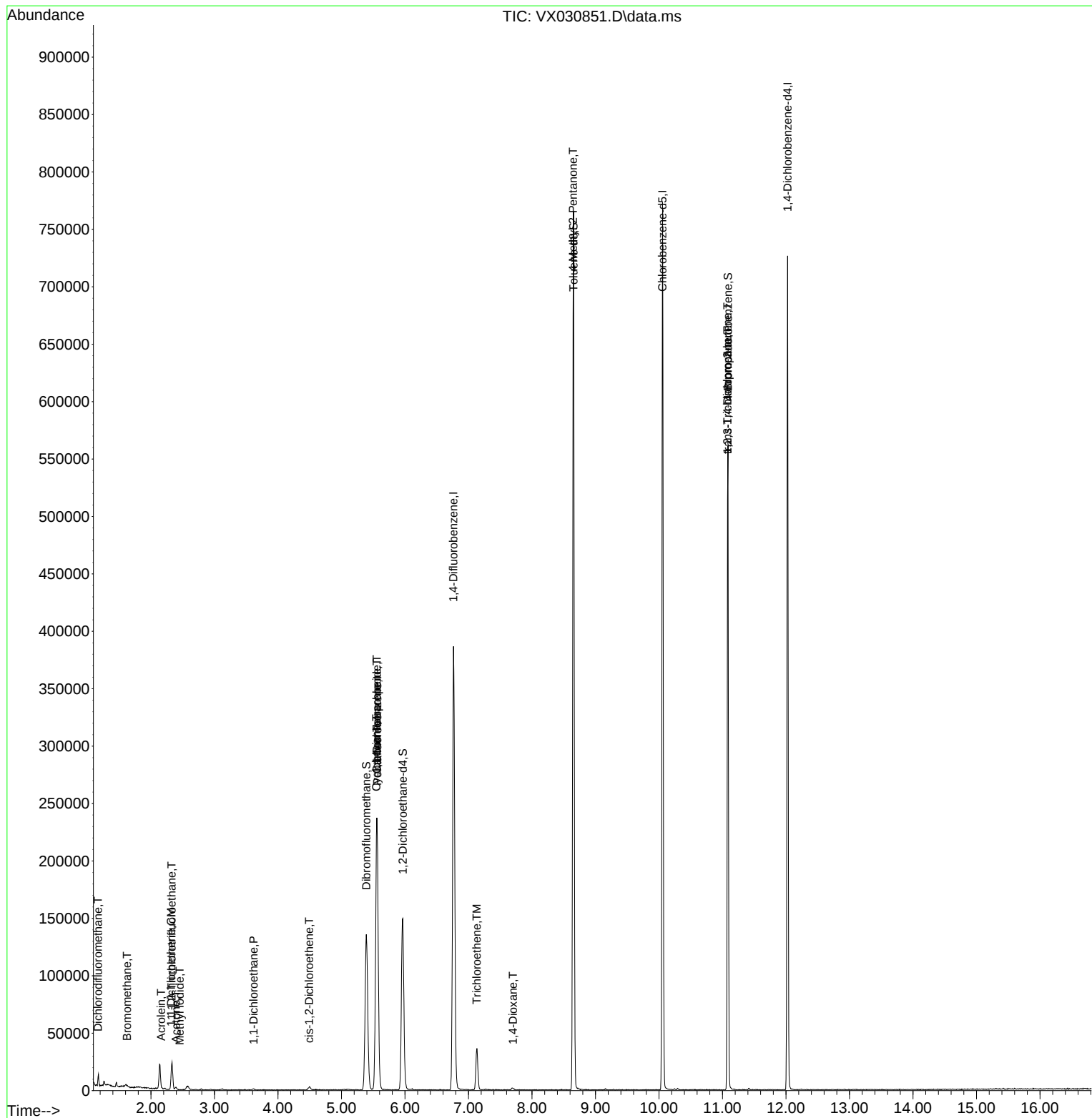
Internal Standards						
1) Pentafluorobenzene	5.562	168	221653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	388796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	341476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146418	56.158	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.320%	
35) Dibromofluoromethane	5.391	113	120734	50.527	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.060%	
50) Toluene-d8	8.653	98	450237	54.073	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.140%	
62) 4-Bromofluorobenzene	11.085	95	150705	48.615	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	3360	1.636	ug/l	94
3) Chloromethane	1.295	50	273	Below Cal	#	42
4) Vinyl Chloride	1.581	62	41	Below Cal	#	1
5) Bromomethane	1.624	94	472	0.457	ug/l #	66
6) Chloroethane	1.673	64	113	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	9186	4.256	ug/l	98
10) Methyl Iodide	2.453	142	115	4.088	ug/l #	45
12) 1,1-Dichloroethene	2.319	96	1053	0.524	ug/l	85
13) Acrolein	2.160	56	19	10.089	ug/l #	14
16) Acetone	2.392	43	2014	1.672	ug/l #	77
17) Carbon Disulfide	2.508	76	200	Below Cal	#	74
20) Methylene Chloride	2.794	84	390	Below Cal	#	62
24) 1,1-Dichloroethane	3.617	63	1289	0.305	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	1611	0.604	ug/l #	9
31) Cyclohexane	5.550	56	4772	1.431	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	17436	5.359	ug/l #	49
38) Carbon Tetrachloride	5.556	117	22962	6.690	ug/l #	19
44) Trichloroethene	7.129	130	14519	5.162	ug/l	98
49) 1,4-Dioxane	7.702	88	1692	23.686	ug/l #	33
51) 4-Methyl-2-Pentanone	8.647	43	1908	0.487	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	75889	23.469	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75889	75.722	ug/l #	13

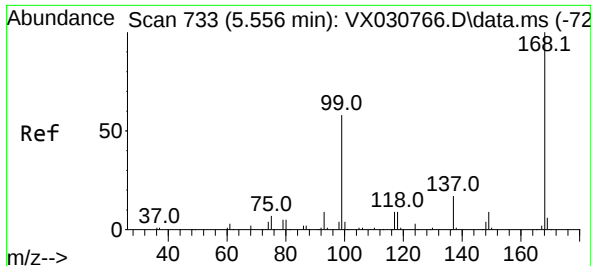
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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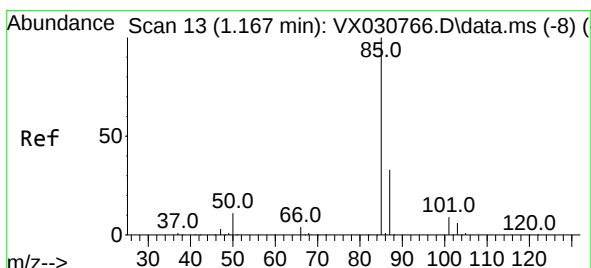
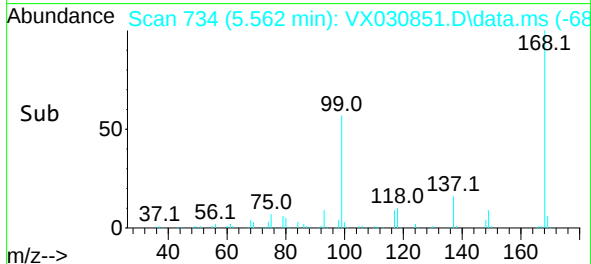
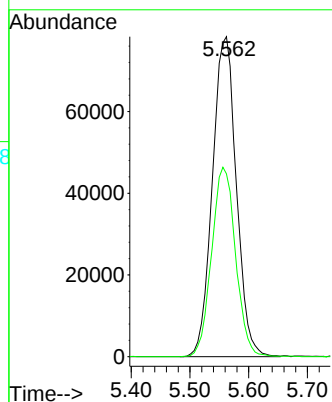
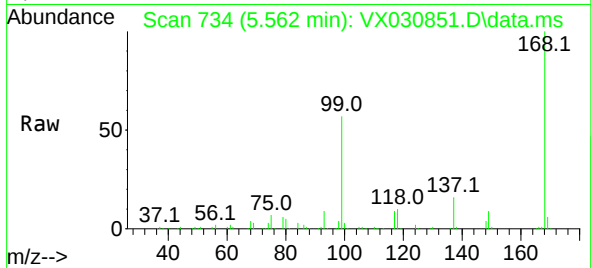




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

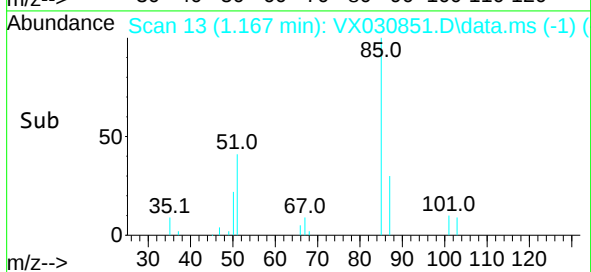
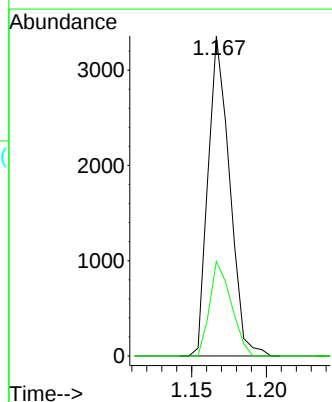
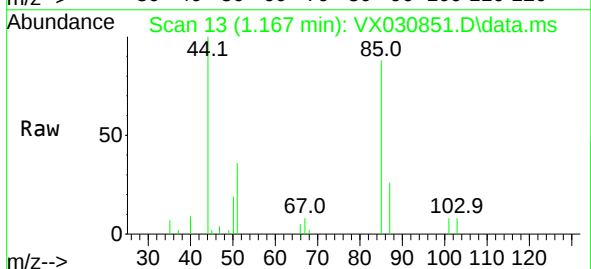
Instrument :
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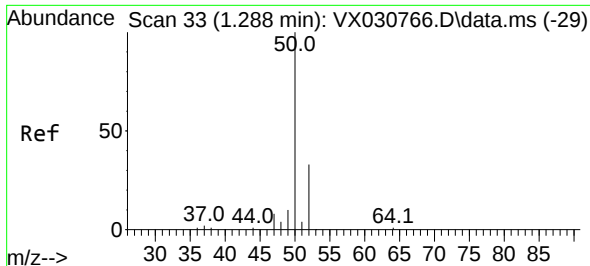
Tgt Ion:168 Resp: 221653
Ion Ratio Lower Upper
168 100
99 57.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.636 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 85 Resp: 3360
Ion Ratio Lower Upper
85 100
87 29.5 16.5 49.5

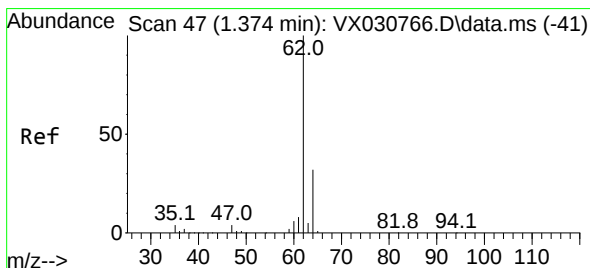
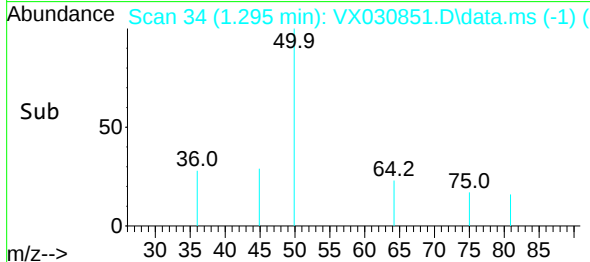
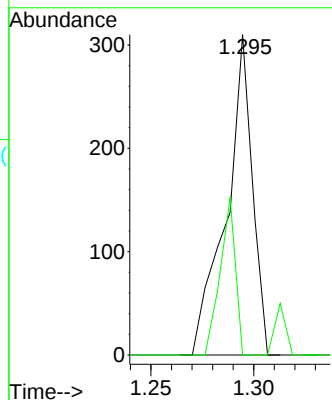
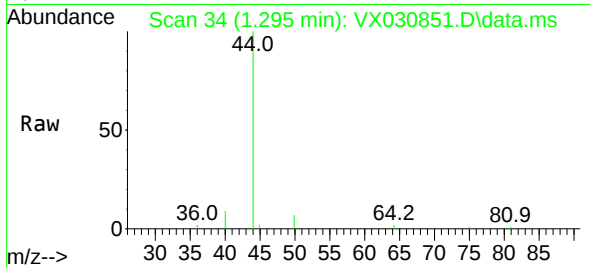




#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

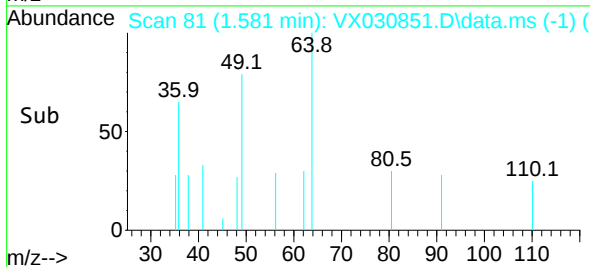
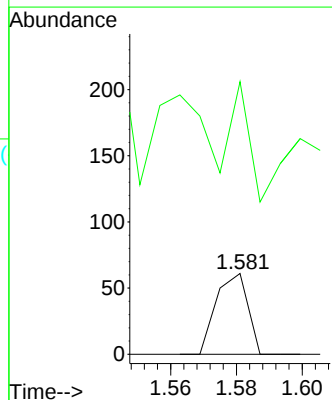
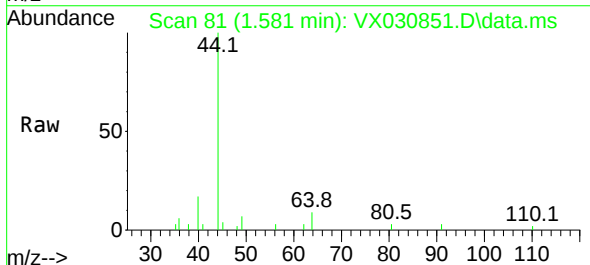
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

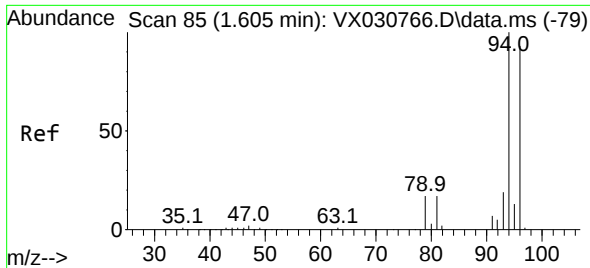
Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.207 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 62 Resp: 41
Ion Ratio Lower Upper
62 100
64 101.6 25.2 37.8#

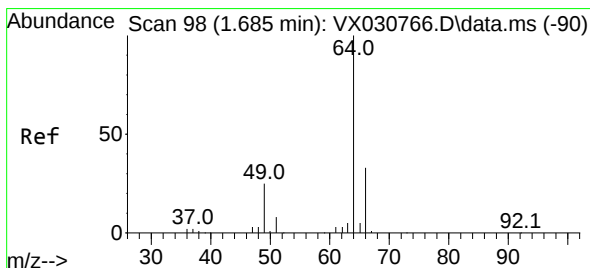
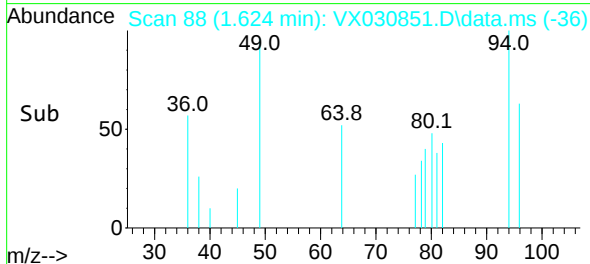
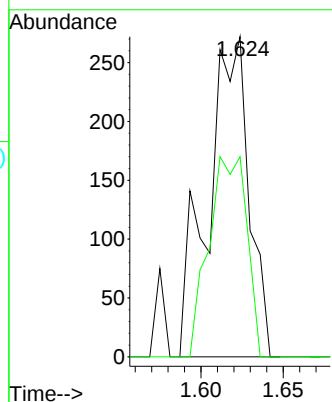
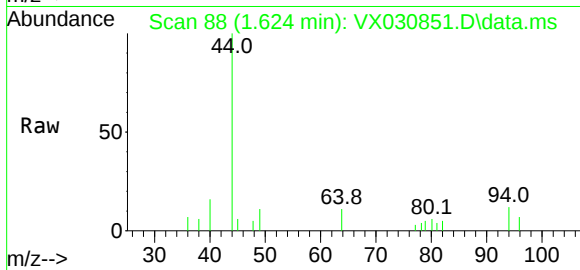




#5
Bromomethane
Concen: 0.457 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

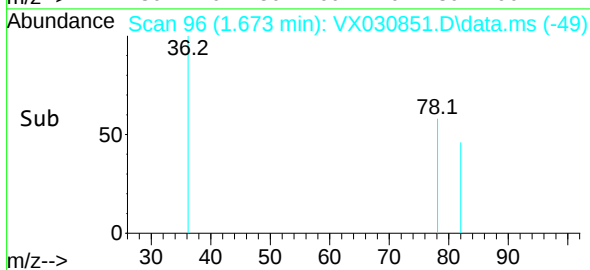
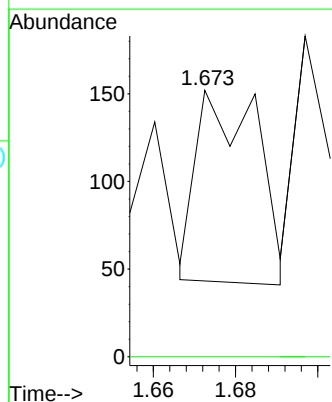
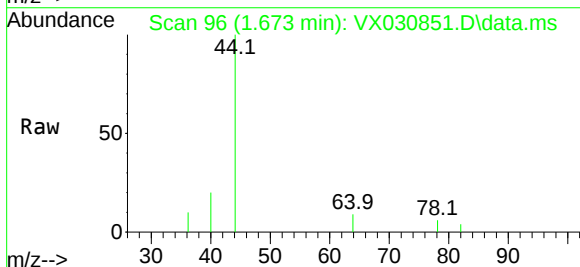
Instrument :
MSVOA_X
ClientSampleId :
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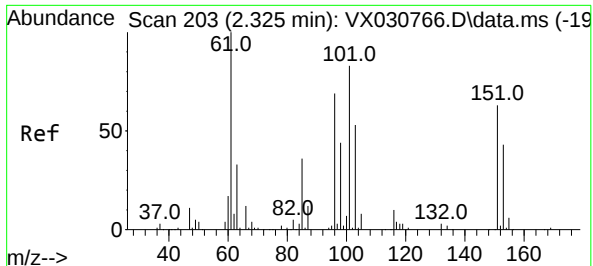
Tgt Ion: 94 Resp: 472
Ion Ratio Lower Upper
94 100
96 62.5 76.9 115.3#



#6
Chloroethane
Concen: Below Cal
RT: 1.673 min Scan# 96
Delta R.T. -0.012 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

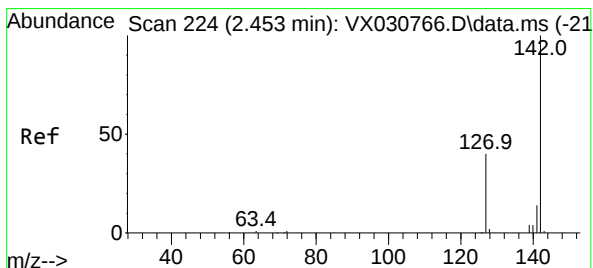
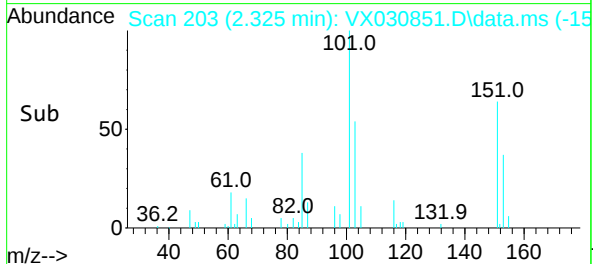
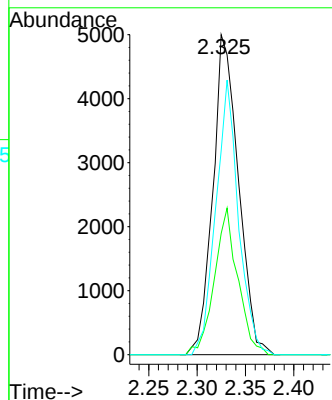
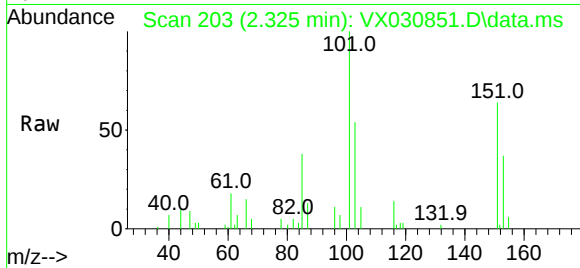




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.256 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

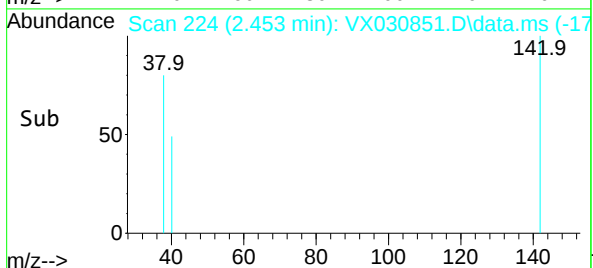
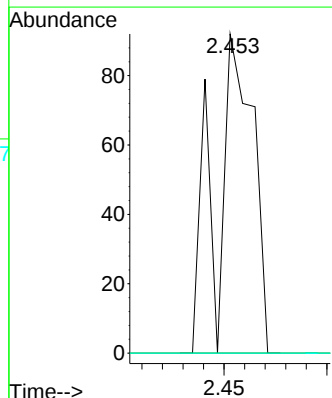
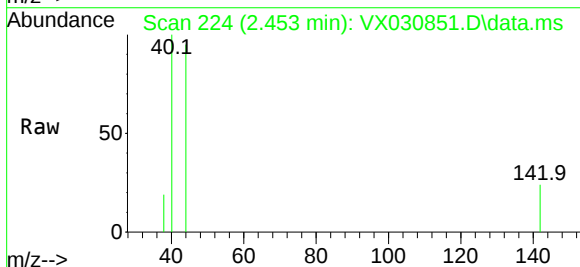
Instrument :
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ClientSampleId :
RE132D2-20220818

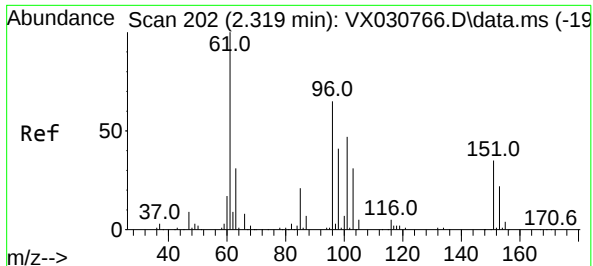
Tgt Ion:101 Resp: 9186
Ion Ratio Lower Upper
101 100
85 42.0 34.0 51.0
151 76.1 59.4 89.0



#10
Methyl Iodide
Concen: 4.088 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 0.524 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030851.D

Acq: 27 Aug 2022 06:39

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20220818

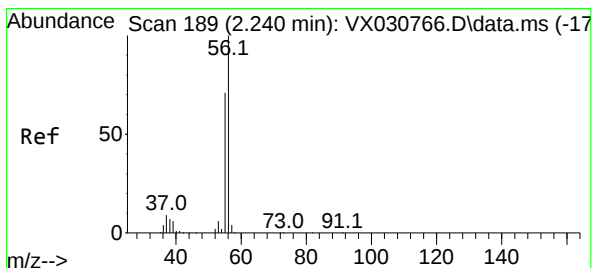
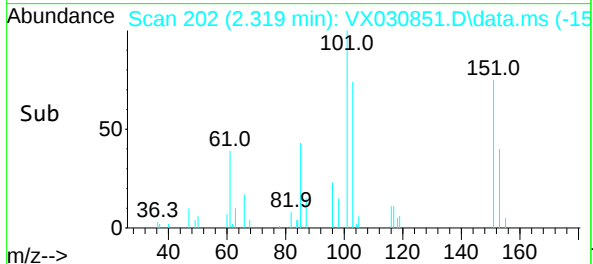
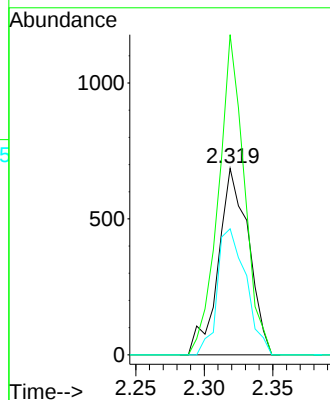
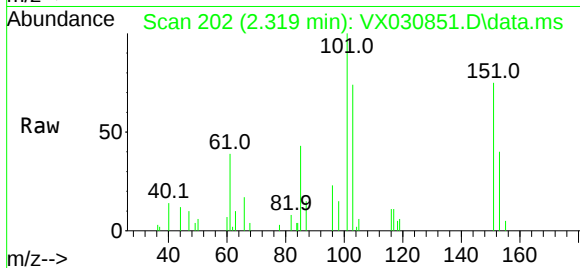
Tgt Ion: 96 Resp: 1053

Ion Ratio Lower Upper

96 100

61 171.7 117.4 176.0

98 67.6 52.2 78.4



#13

Acrolein

Concen: 10.089 ug/l

RT: 2.160 min Scan# 176

Delta R.T. -0.080 min

Lab File: VX030851.D

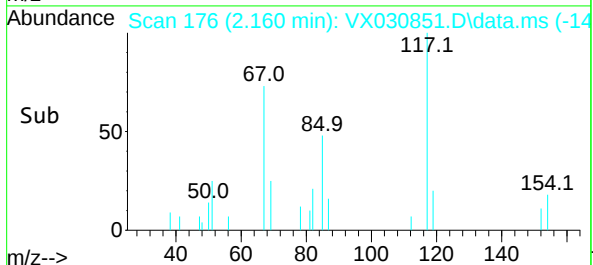
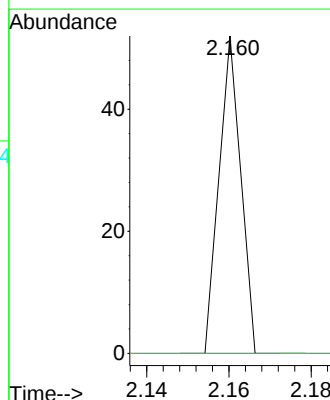
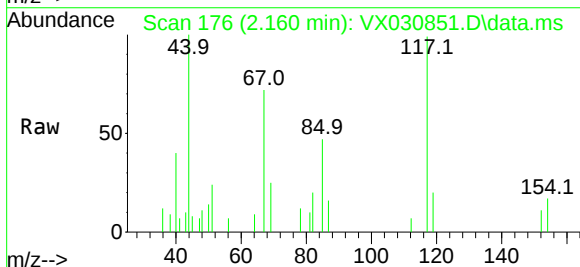
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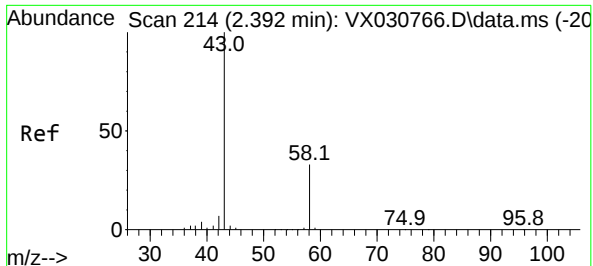
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

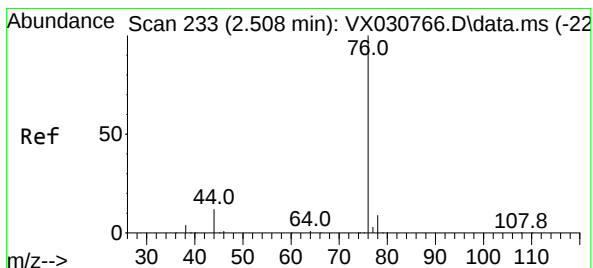
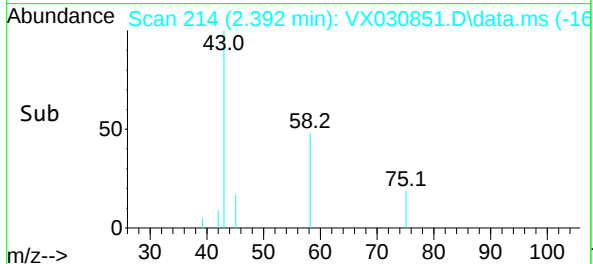
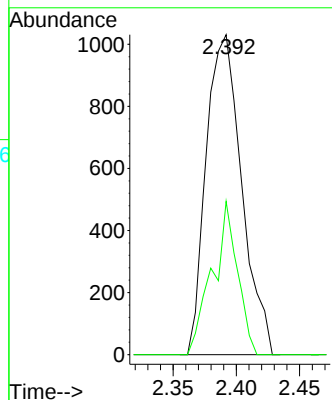
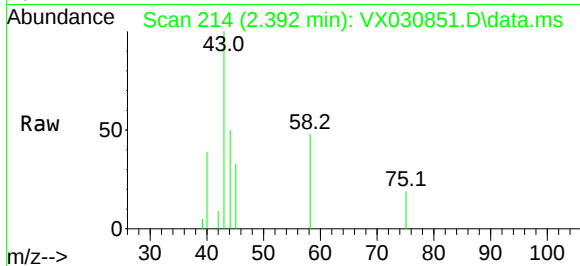




#16
Acetone
Concen: 1.672 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

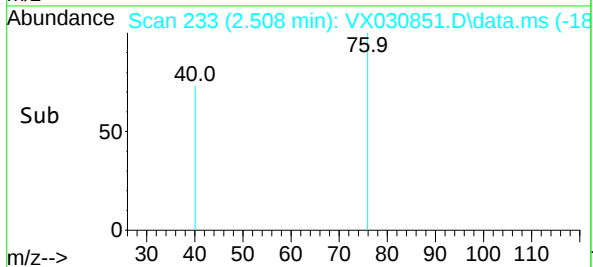
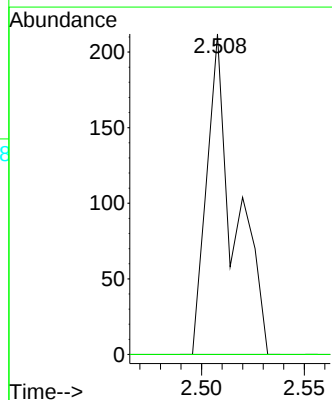
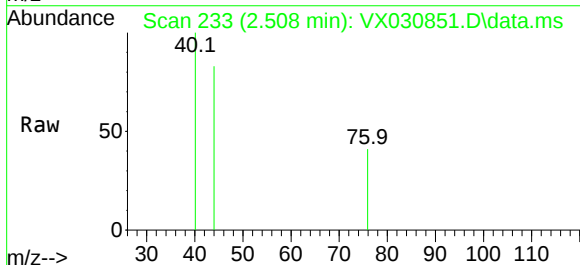
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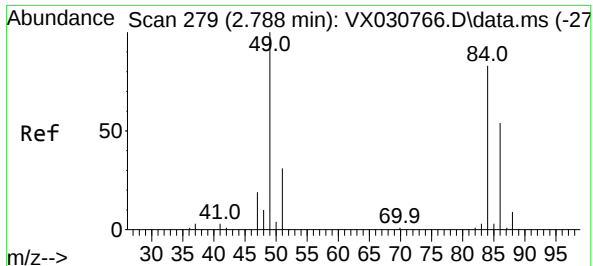
Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
58 47.9 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 76 Resp: 200
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030851.D

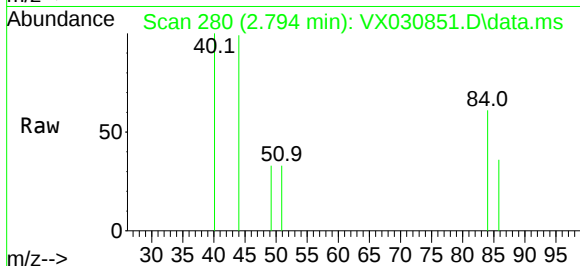
Acq: 27 Aug 2022 06:39

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20220818



Tgt Ion: 84 Resp: 390

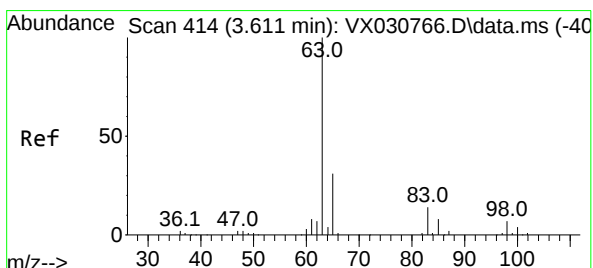
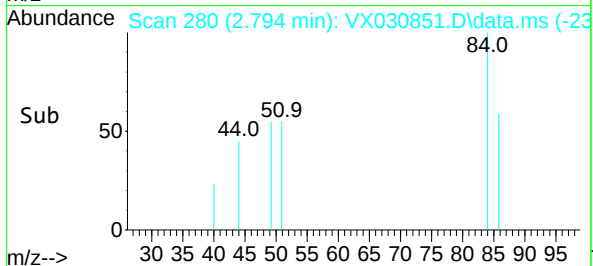
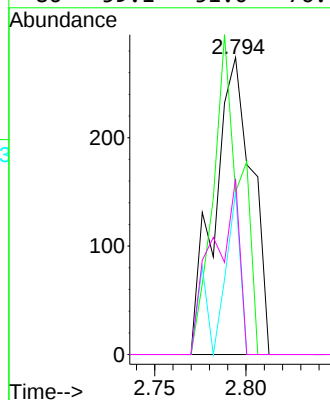
Ion Ratio Lower Upper

84 100

49 54.7 93.8 140.6#

51 54.7 29.4 44.0#

86 59.1 51.0 76.4



#24

1,1-Dichloroethane

Concen: 0.305 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX030851.D

Acq: 27 Aug 2022 06:39

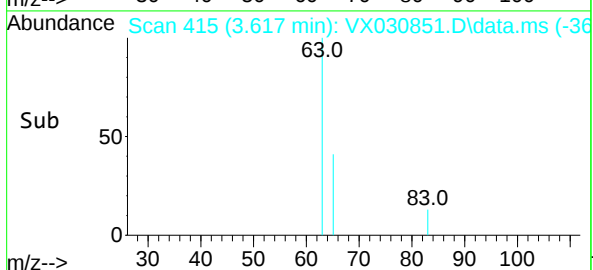
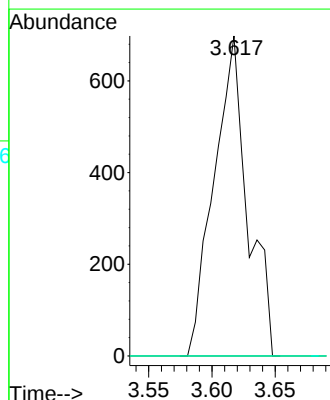
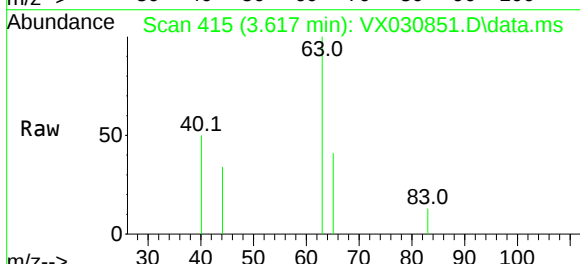
Tgt Ion: 63 Resp: 1289

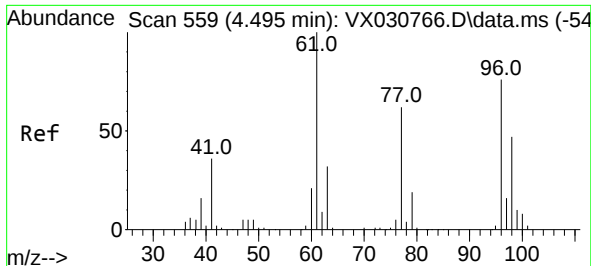
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.3 6.9#

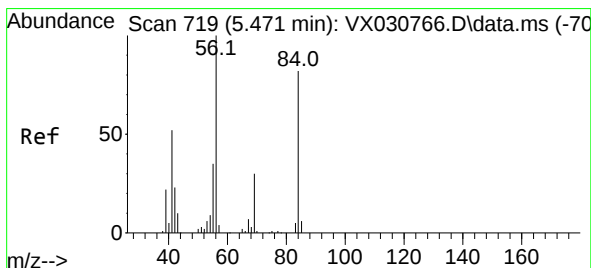
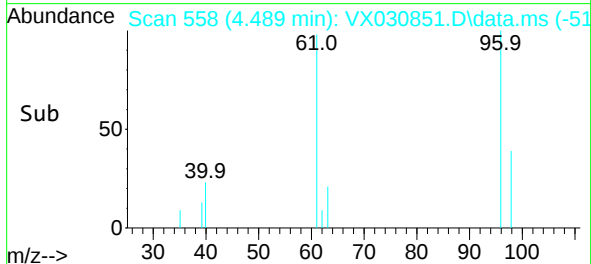
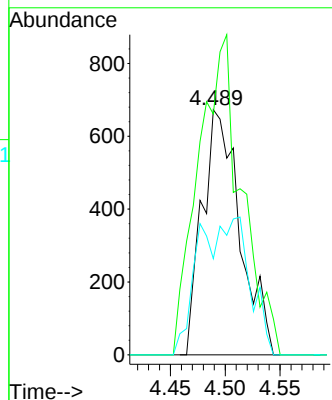
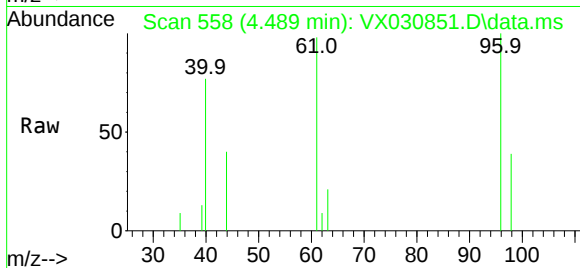




#27
cis-1,2-Dichloroethene
Concen: 0.604 ug/l
RT: 4.489 min Scan# 511
Delta R.T. -0.006 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

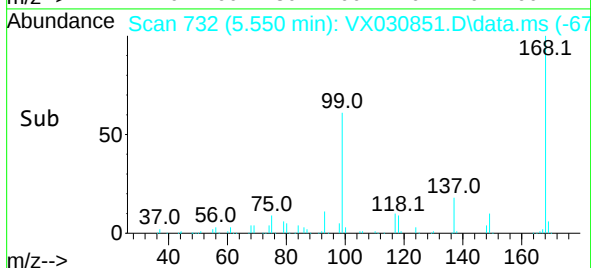
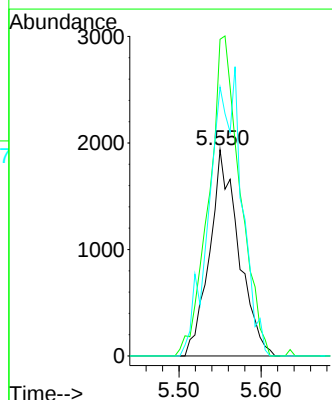
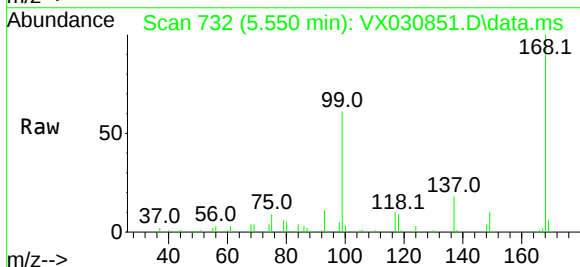
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

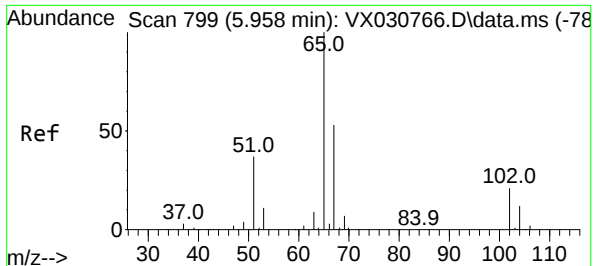
Tgt Ion: 96	Resp: 1611
Ion Ratio	Lower Upper
96 100	
61 0.0	0.0 270.0
98 29.9	0.0 127.8



#31
Cyclohexane
Concen: 1.431 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 56	Resp: 4772		
Ion Ratio	Lower	Upper	
56 100			
69 153.5	25.4	38.0#	
84 130.4	68.9	103.3#	





#33

1,2-Dichloroethane-d4

Concen: 56.158 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030851.D

Acq: 27 Aug 2022 06:39

Instrument :

MSVOA_X

ClientSampleId :

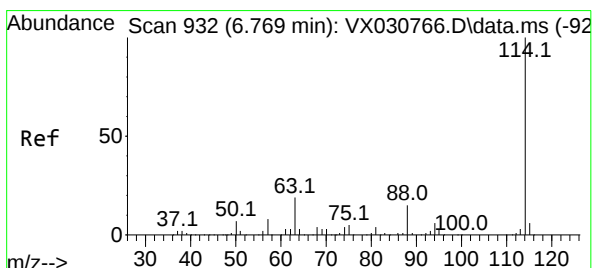
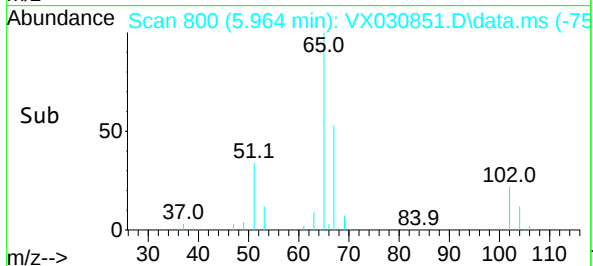
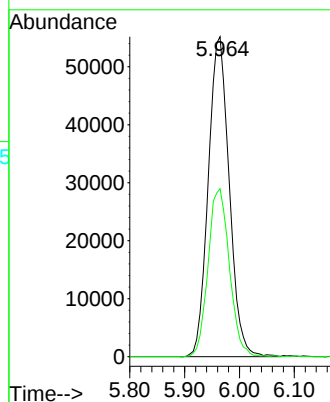
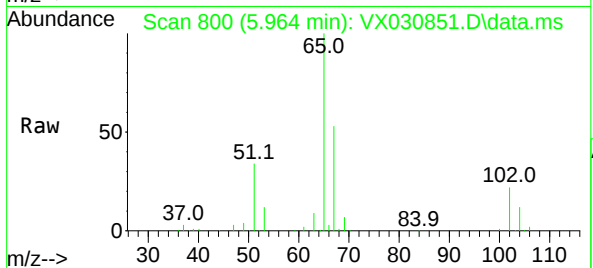
RE132D2-20220818

Tgt Ion: 65 Resp: 146418

Ion Ratio Lower Upper

65 100

67 53.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030851.D

Acq: 27 Aug 2022 06:39

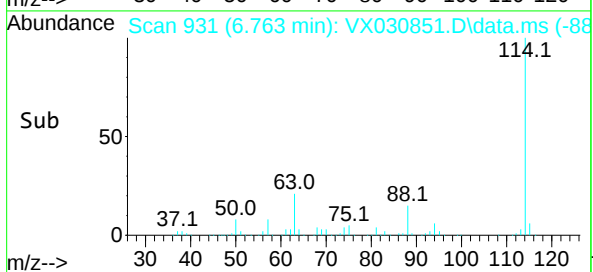
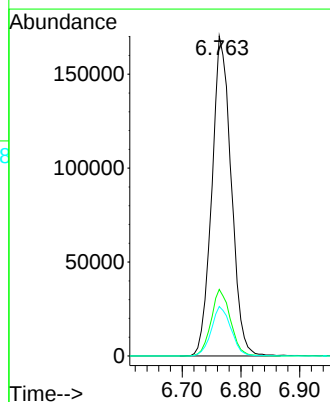
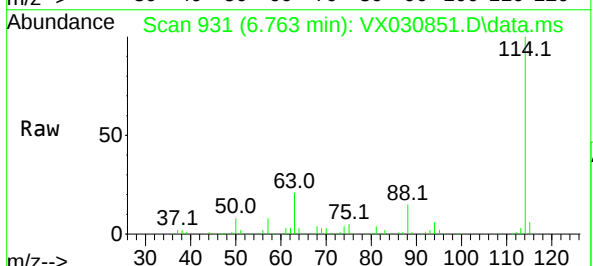
Tgt Ion: 114 Resp: 388796

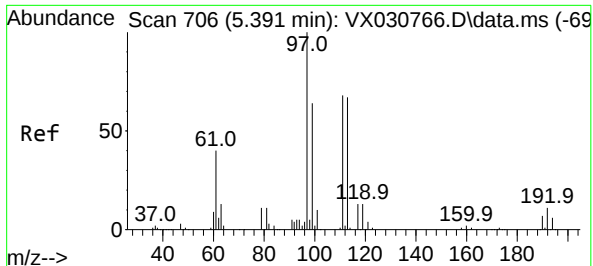
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

88 15.5 0.0 31.8

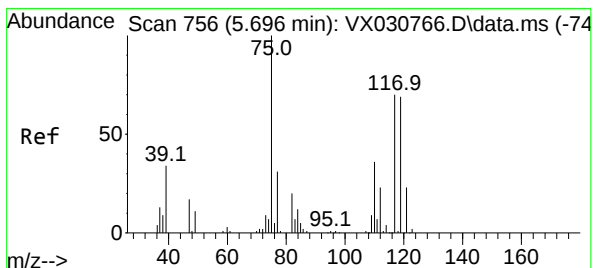
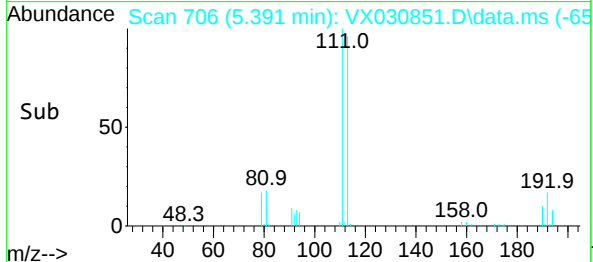
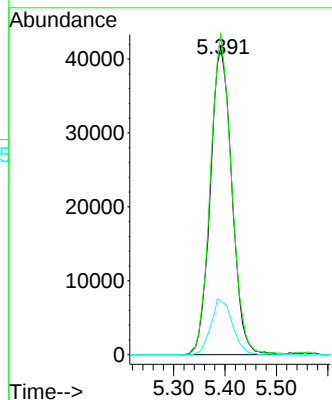
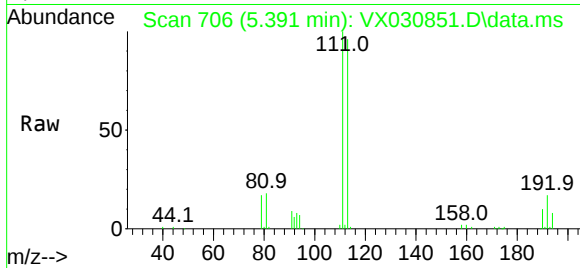




#35
Dibromofluoromethane
Concen: 50.527 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

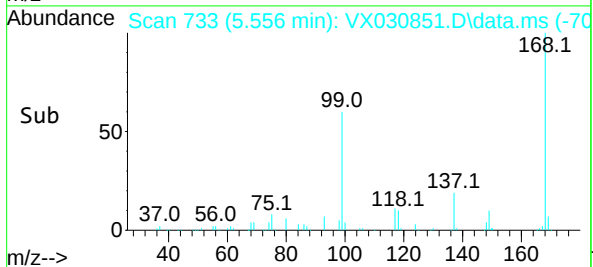
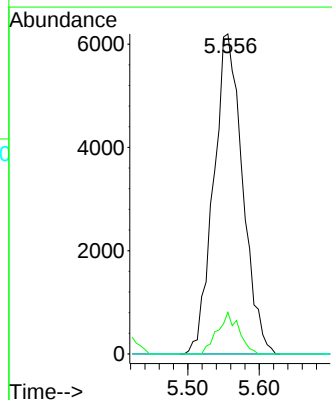
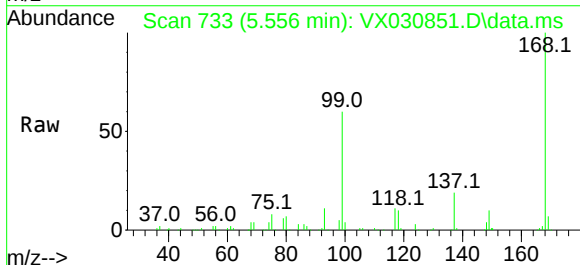
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

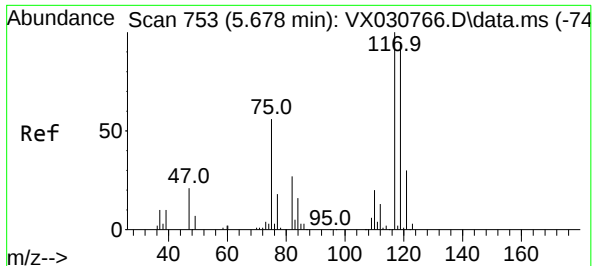
Tgt Ion:113 Resp: 120734
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 18.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

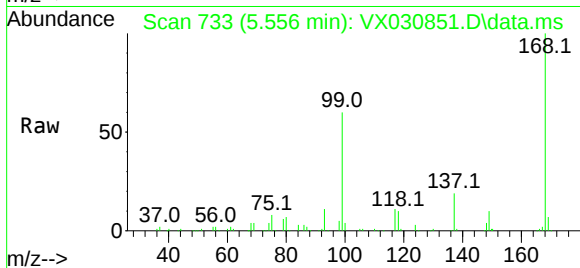
Tgt Ion: 75 Resp: 17436
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#



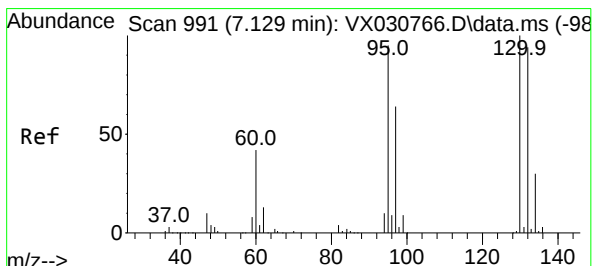
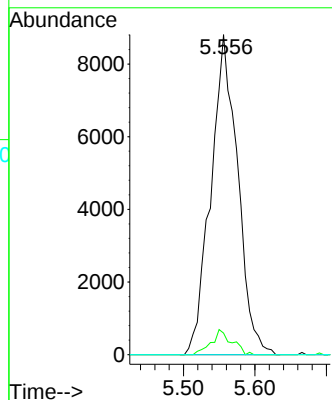
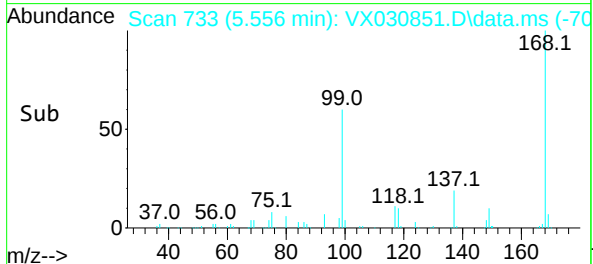


#38
Carbon Tetrachloride
Concen: 6.690 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

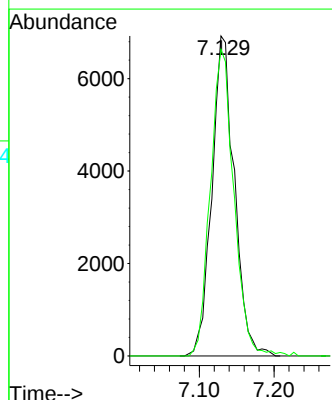
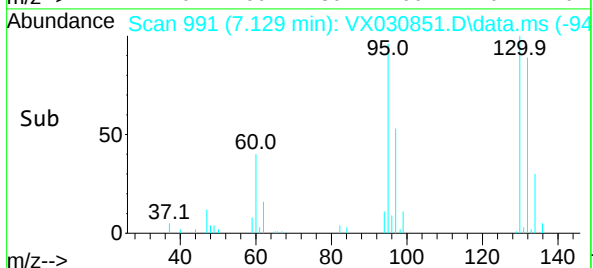
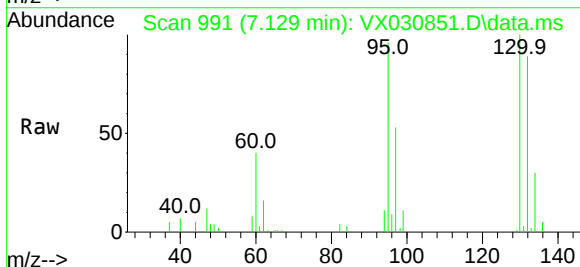


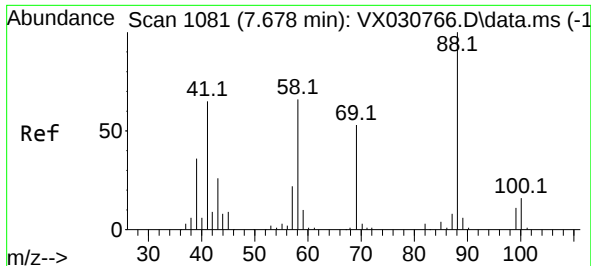
Tgt Ion:117 Resp: 22962
Ion Ratio Lower Upper
117 100
119 6.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 5.162 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion:130 Resp: 14519
Ion Ratio Lower Upper
130 100
95 95.8 0.0 194.8





#49

1,4-Dioxane

Concen: 23.686 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.024 min

Lab File: VX030851.D

Acq: 27 Aug 2022 06:39

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20220818

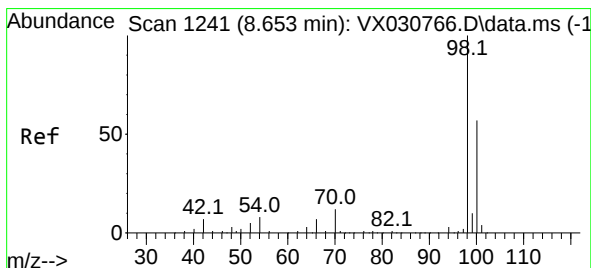
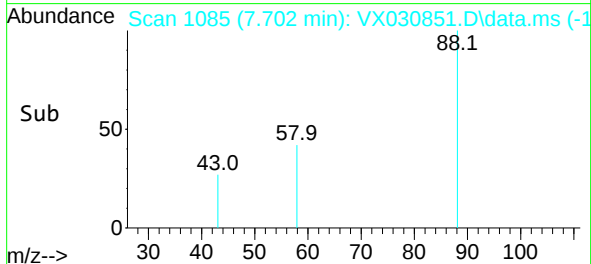
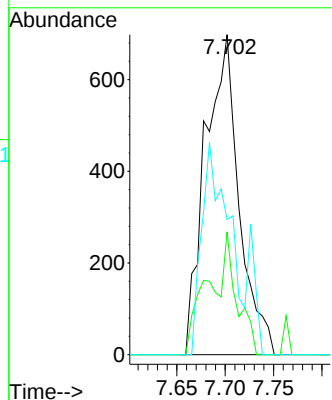
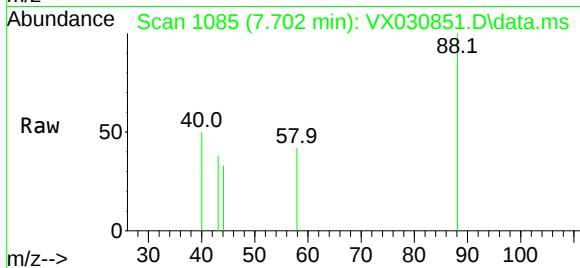
Tgt Ion: 88 Resp: 1692

Ion Ratio Lower Upper

88 100

43 14.4 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 54.073 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX030851.D

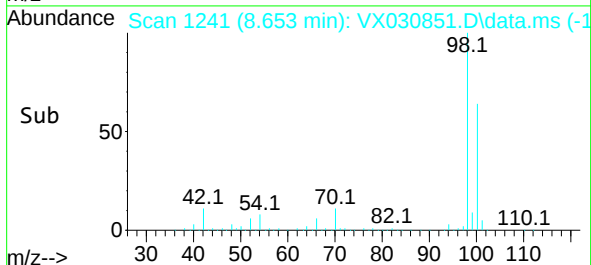
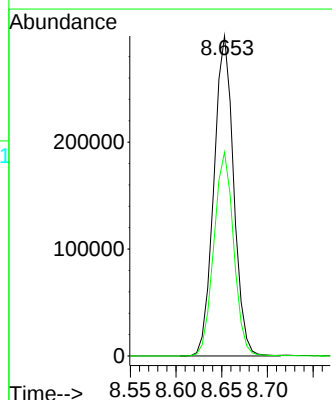
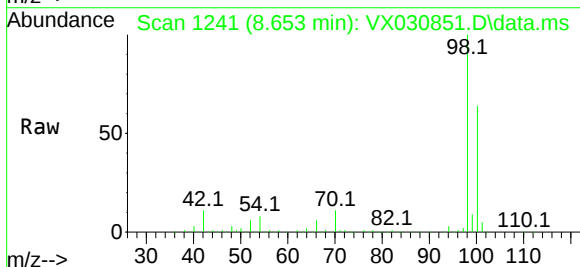
Acq: 27 Aug 2022 06:39

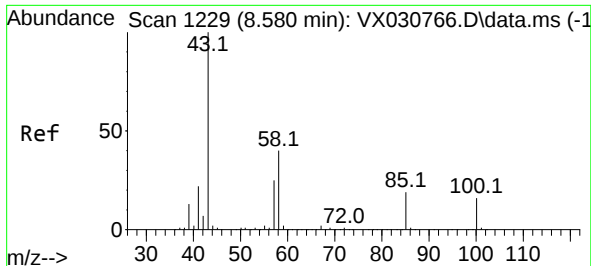
Tgt Ion: 98 Resp: 450237

Ion Ratio Lower Upper

98 100

100 63.9 52.3 78.5

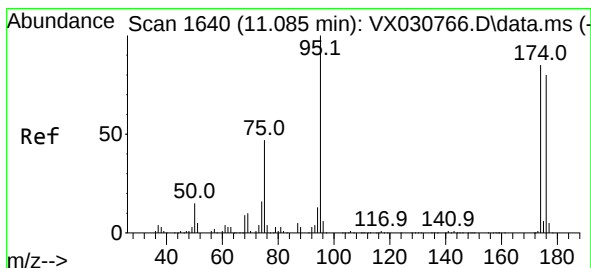
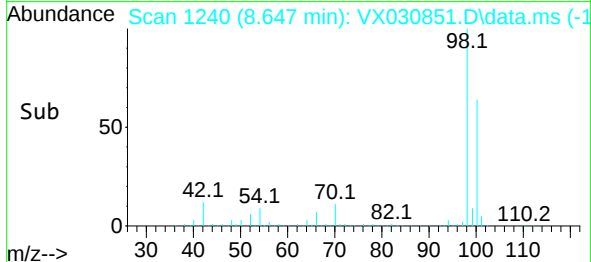
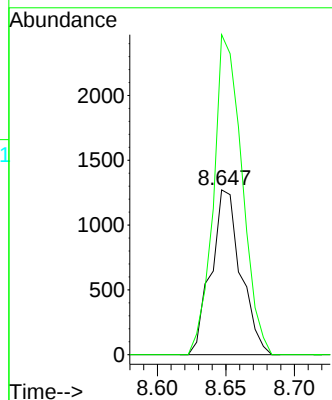
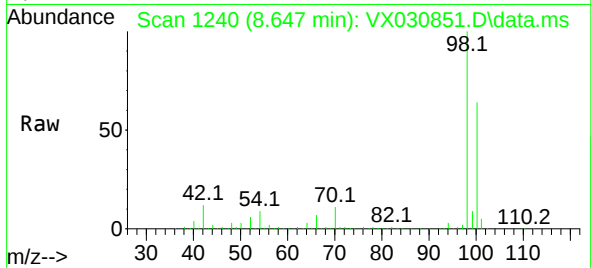




#51
4-Methyl-2-Pentanone
Concen: 0.487 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

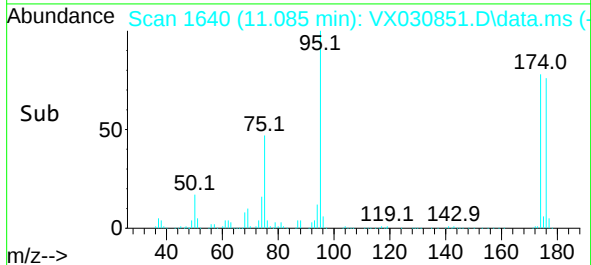
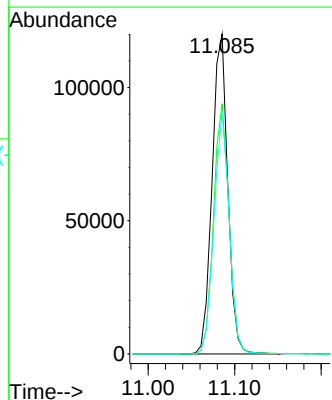
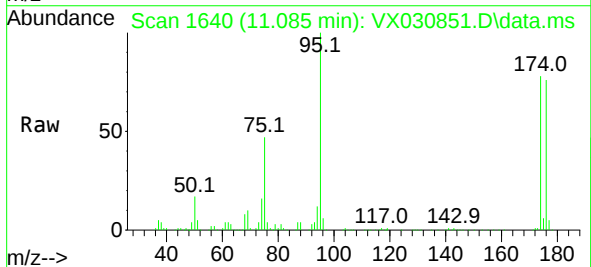
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

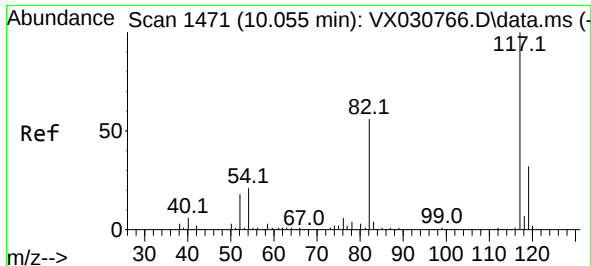
Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 187.6 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 48.615 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 95 Resp: 150705
Ion Ratio Lower Upper
95 100
174 77.9 0.0 149.0
176 74.1 0.0 146.0

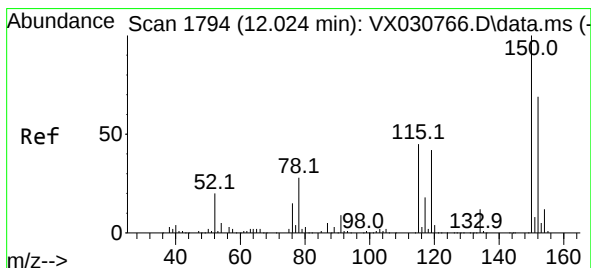
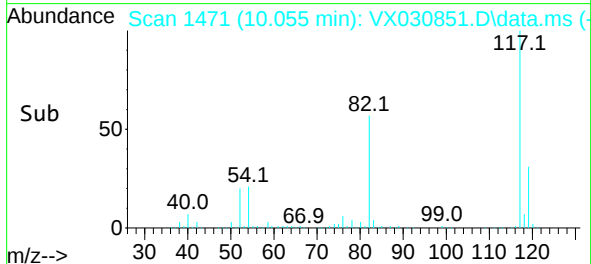
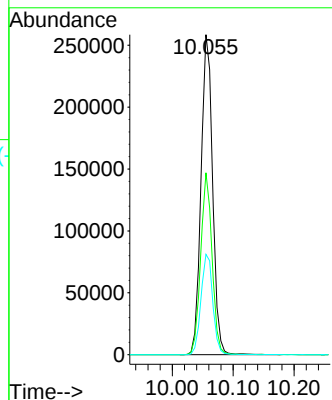
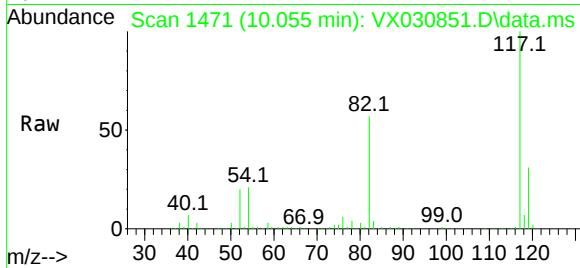




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

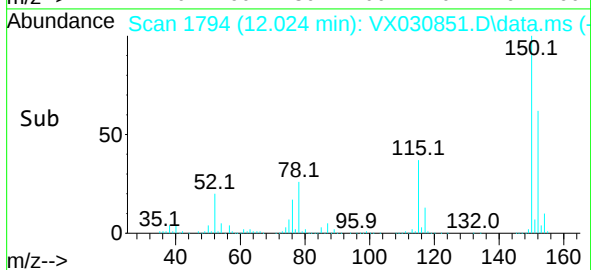
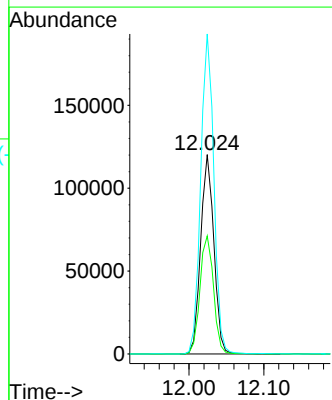
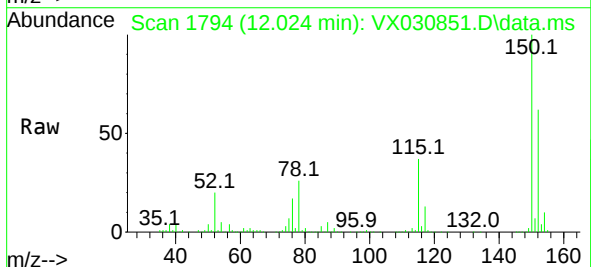
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

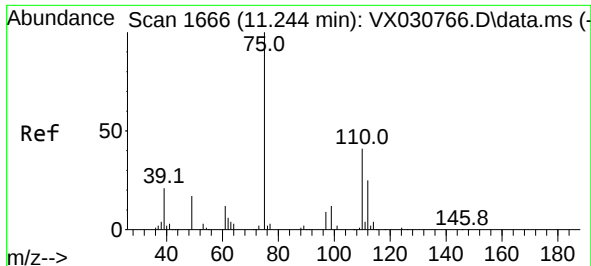
Tgt Ion:117 Resp: 341476
Ion Ratio Lower Upper
117 100
82 56.8 42.7 64.1
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion:152 Resp: 147591
Ion Ratio Lower Upper
152 100
115 60.8 40.5 121.5
150 159.4 0.0 347.0

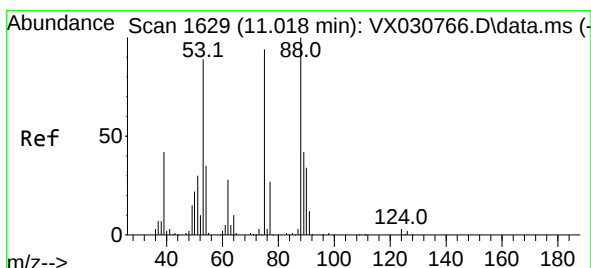
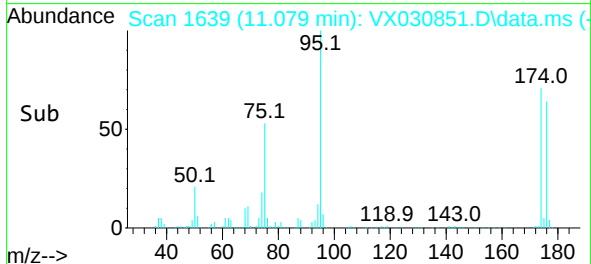
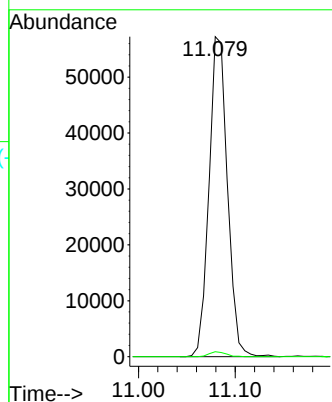
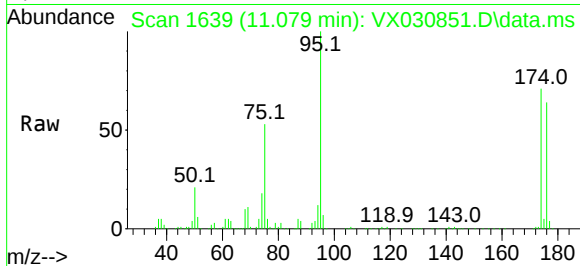




#76
1,2,3-Trichloropropane
Concen: 23.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20220818

Tgt Ion: 75 Resp: 75889
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030851.D
Acq: 27 Aug 2022 06:39

Tgt Ion: 75 Resp: 75889
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

