

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030825.D
 Acq On : 26 Aug 2022 15:27
 Operator : JC/MD
 Sample : N4245-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20220817

Quant Time: Aug 27 02:39:58 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)

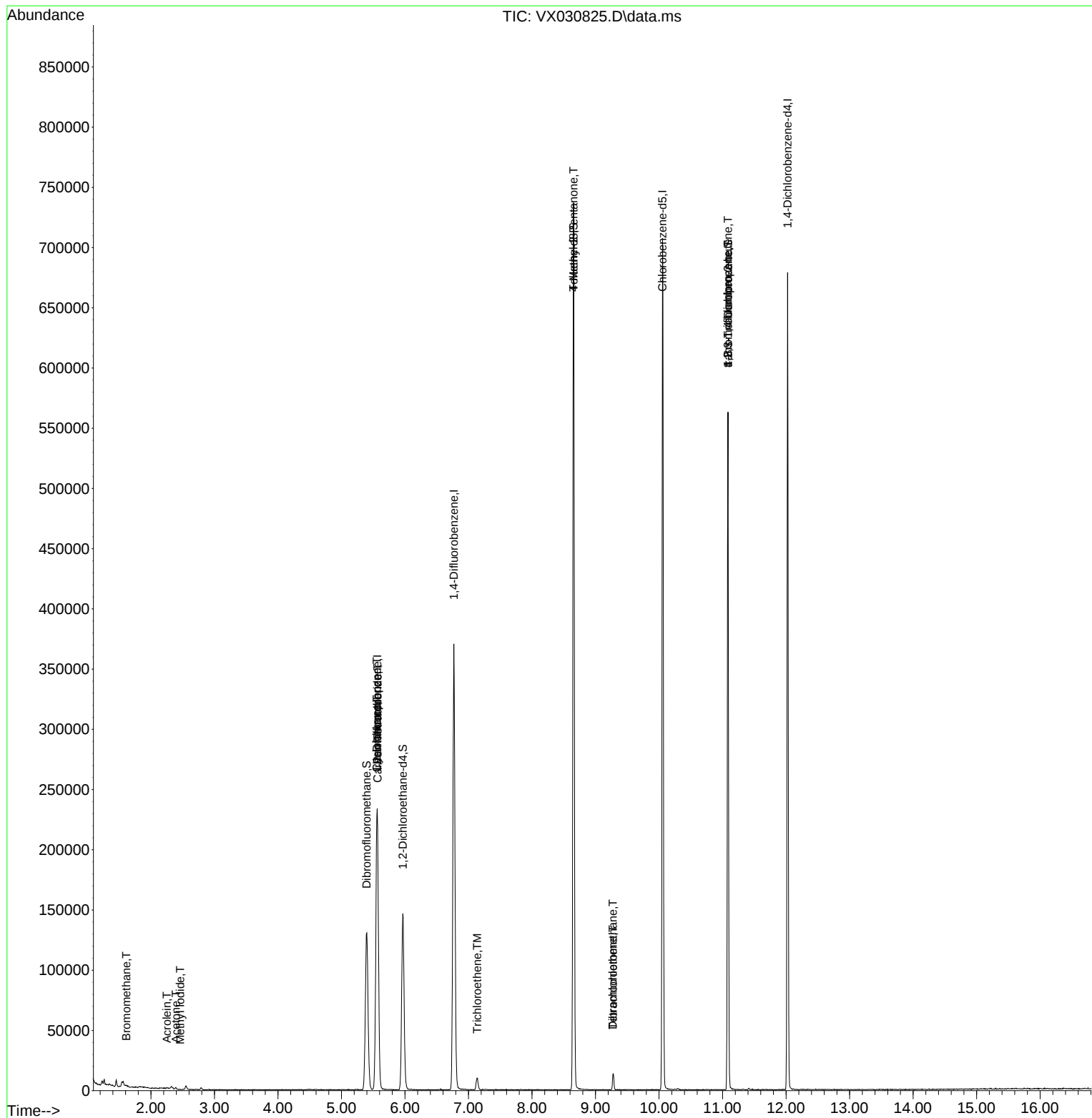
Internal Standards						
1) Pentafluorobenzene	5.562	168	227136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	373008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	140517	52.594	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.180%	
35) Dibromofluoromethane	5.397	113	119058	51.935	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.860%	
50) Toluene-d8	8.653	98	435623	54.532	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.060%	
62) 4-Bromofluorobenzene	11.085	95	144785	48.682	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	289	Below Cal	#	87
4) Vinyl Chloride	1.642	62	30	Below Cal	#	43
5) Bromomethane	1.611	94	410	0.387	ug/l #	57
6) Chloroethane	1.648	64	27	Below Cal	#	41
10) Methyl Iodide	2.459	142	162	4.110	ug/l #	74
13) Acrolein	2.252	56	66	10.176	ug/l	97
16) Acetone	2.392	43	1628	1.319	ug/l	93
17) Carbon Disulfide	2.508	76	302	Below Cal	#	74
20) Methylene Chloride	2.800	84	634	Below Cal	#	87
31) Cyclohexane	5.556	56	4430	1.297	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17432	5.584	ug/l #	49
38) Carbon Tetrachloride	5.568	117	22117	6.717	ug/l #	17
44) Trichloroethene	7.135	130	4205	1.558	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	1808	0.481	ug/l #	1
60) Dibromochloromethane	9.275	129	2430	0.900	ug/l #	11
64) Tetrachloroethene	9.275	164	2908	1.118	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	72236	24.041	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72236	77.567	ug/l #	13

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

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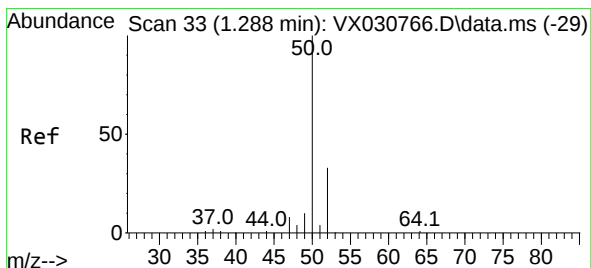
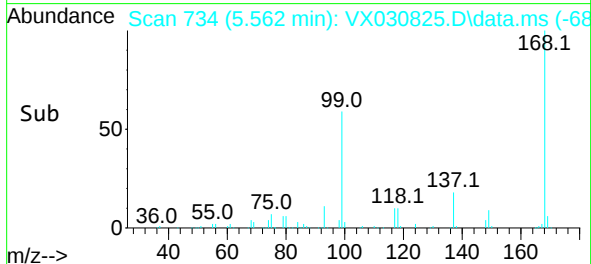
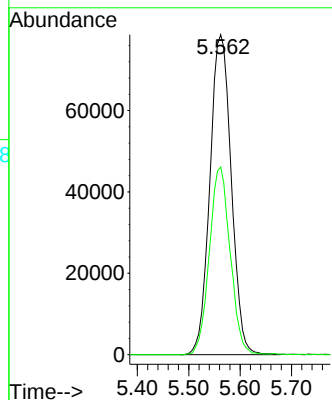
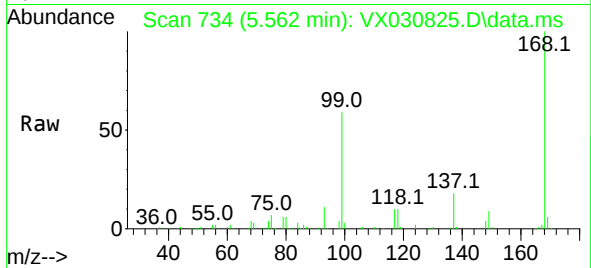




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

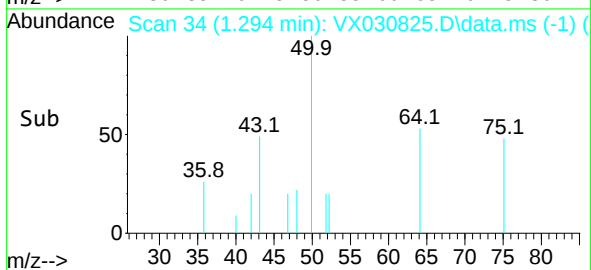
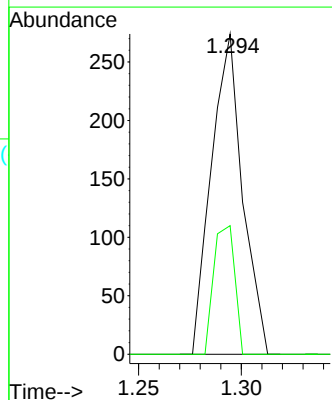
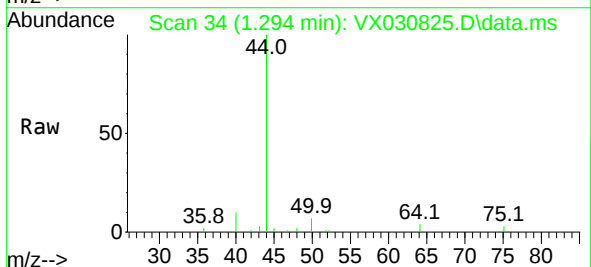
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

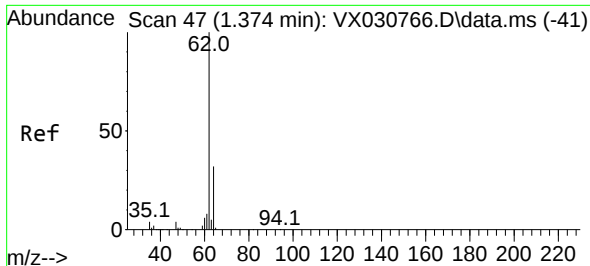
Tgt Ion:168 Resp: 227136
Ion Ratio Lower Upper
168 100
99 58.7 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 40.1 26.3 39.5

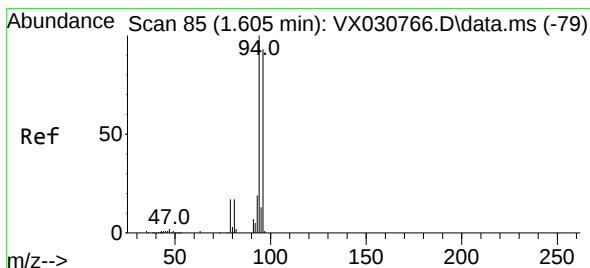
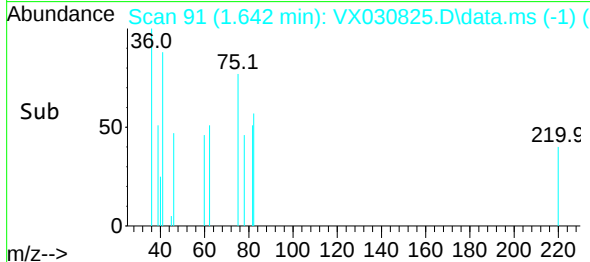
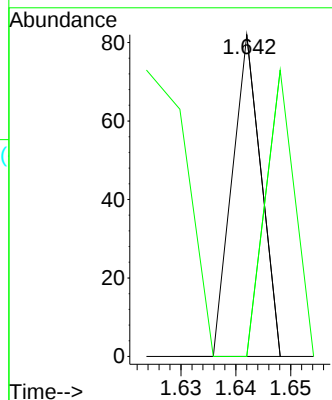
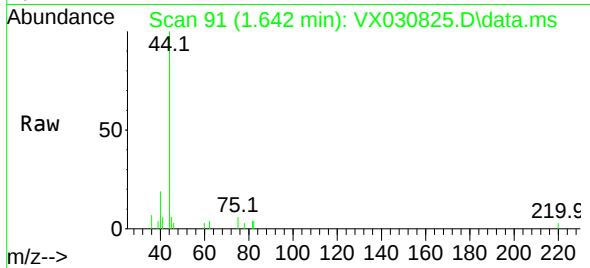




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.642 min Scan# 91
 Delta R.T. 0.268 min
 Lab File: VX030825.D
 Acq: 26 Aug 2022 15:27

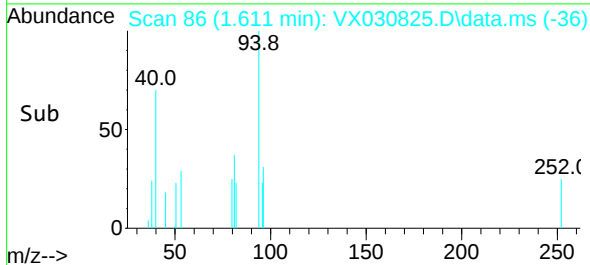
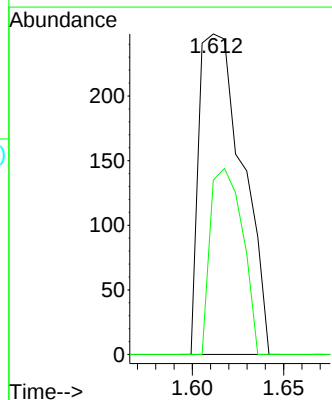
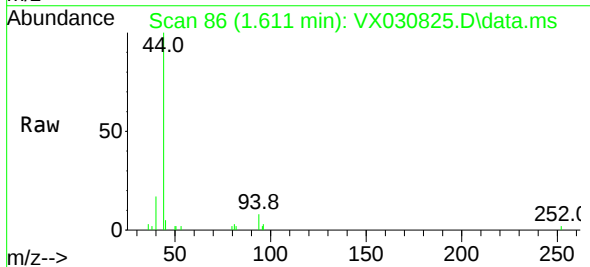
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20220817

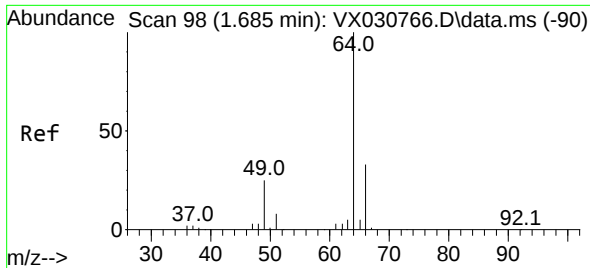
Tgt Ion: 62 Resp: 30
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.387 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030825.D
 Acq: 26 Aug 2022 15:27

Tgt Ion: 94 Resp: 410
 Ion Ratio Lower Upper
 94 100
 96 54.4 76.9 115.3#

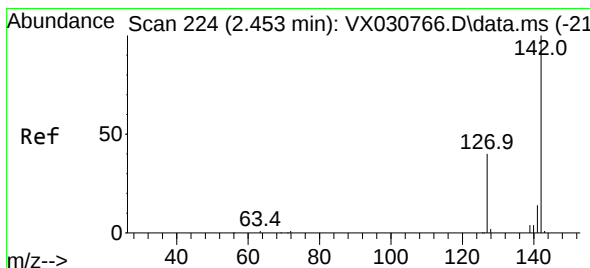
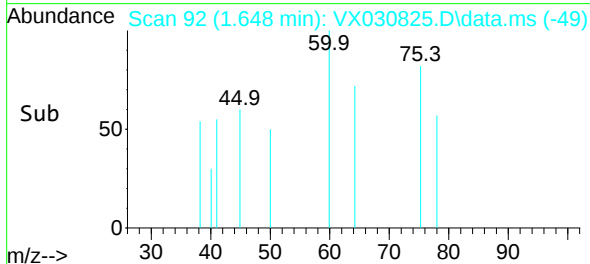
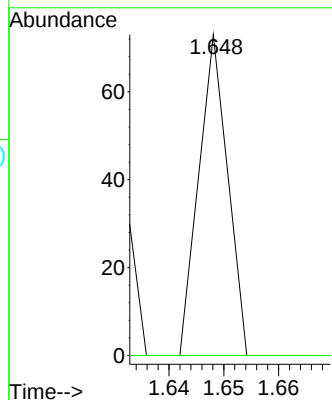
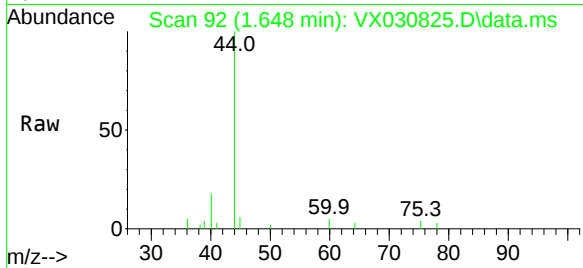




#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

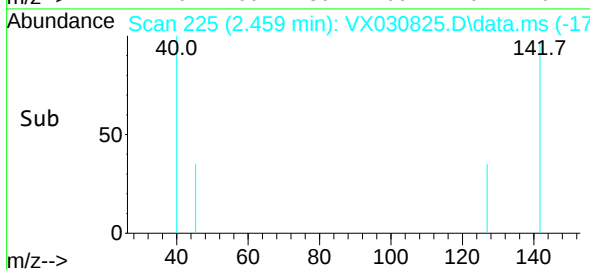
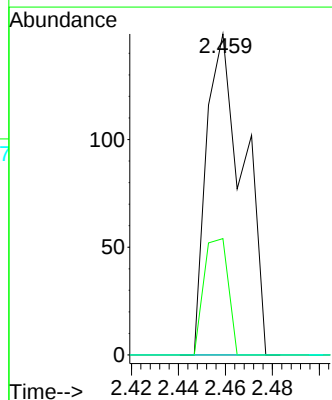
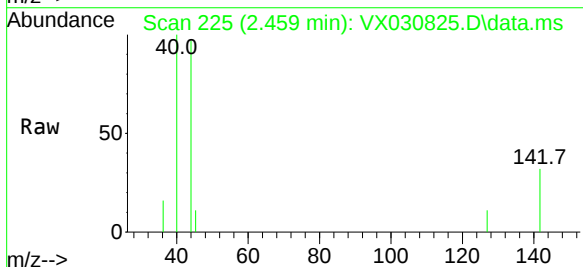
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

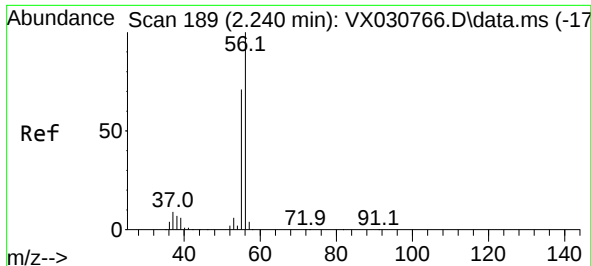
Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.110 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion:142 Resp: 162
Ion Ratio Lower Upper
142 100
127 24.1 30.2 45.2#
141 0.0 11.3 16.9#

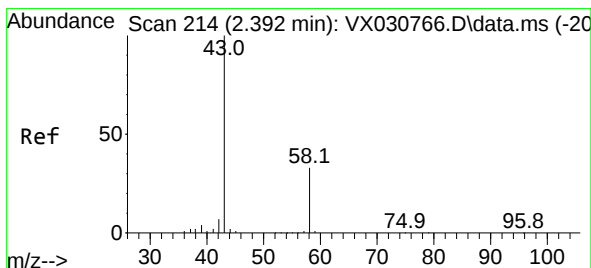
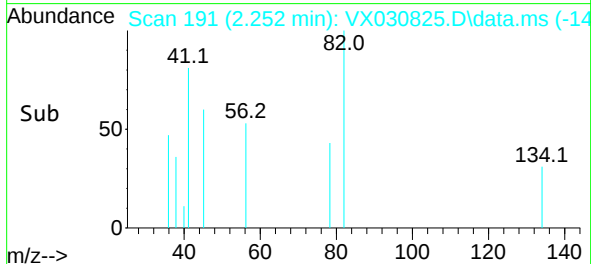
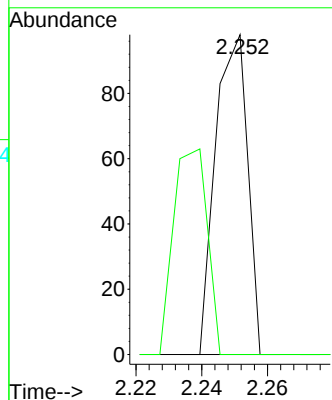
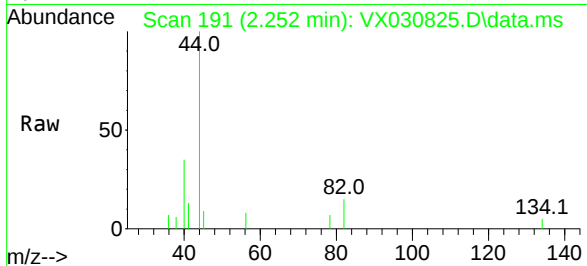




#13
Acrolein
Concen: 10.176 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

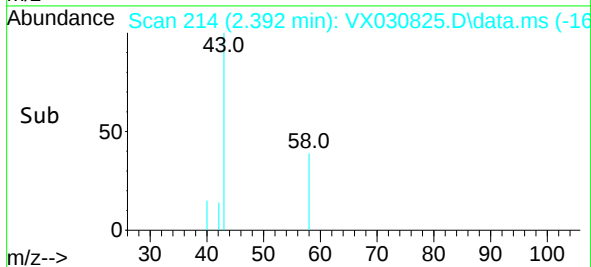
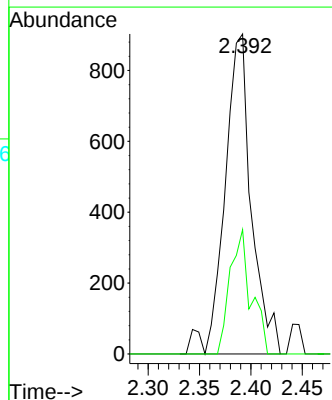
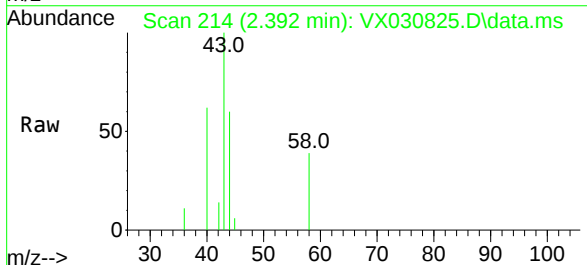
Instrument :
MSVOA_X
ClientSampleId :
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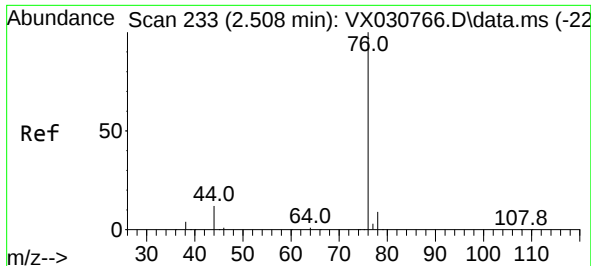
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 68.2 56.6 84.8



#16
Acetone
Concen: 1.319 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
58 38.9 27.7 41.5





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030825.D

Acq: 26 Aug 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

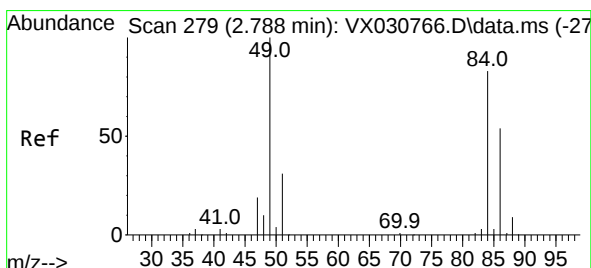
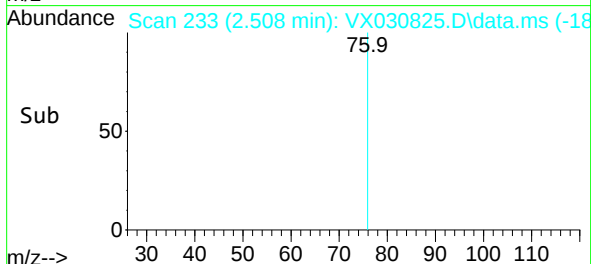
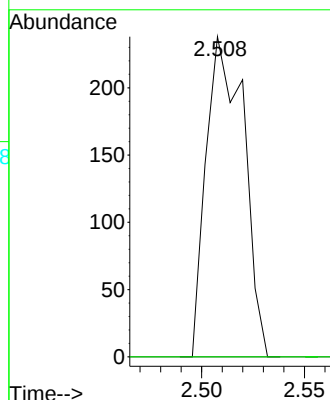
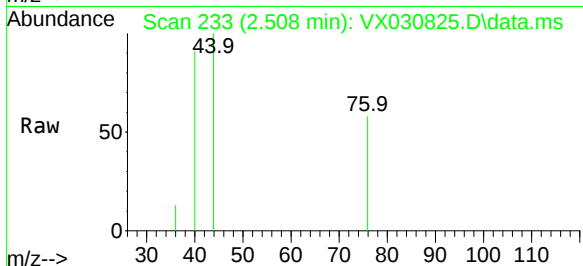
RE126D3-20220817

Tgt Ion: 76 Resp: 302

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX030825.D

Acq: 26 Aug 2022 15:27

Tgt Ion: 84 Resp: 634

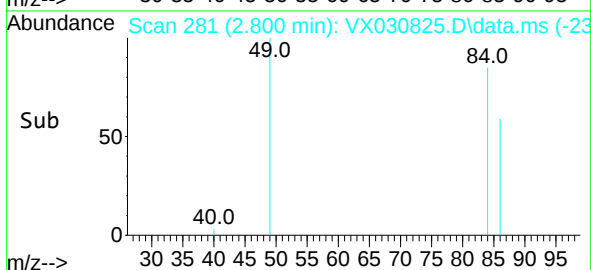
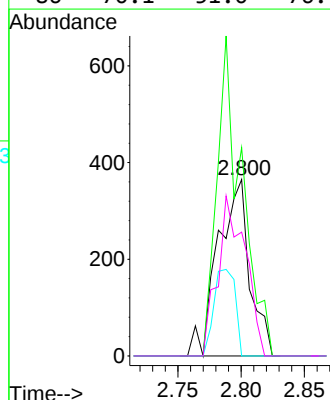
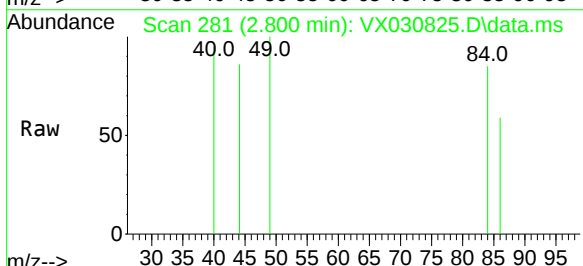
Ion Ratio Lower Upper

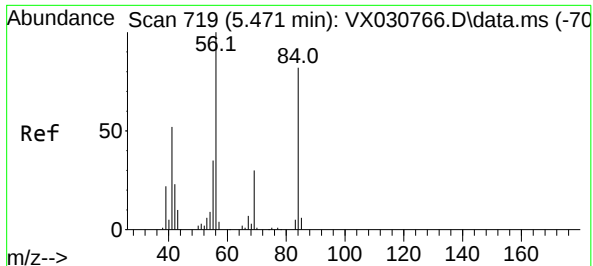
84 100

49 118.1 93.8 140.6

51 0.0 29.4 44.0#

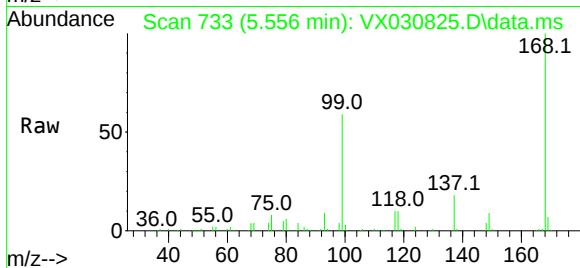
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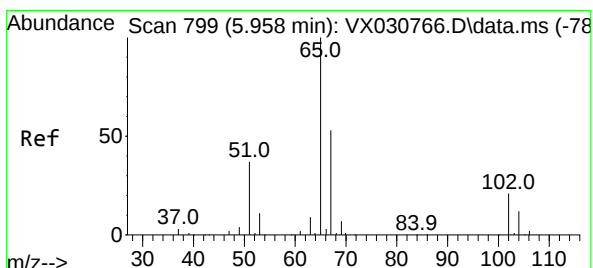
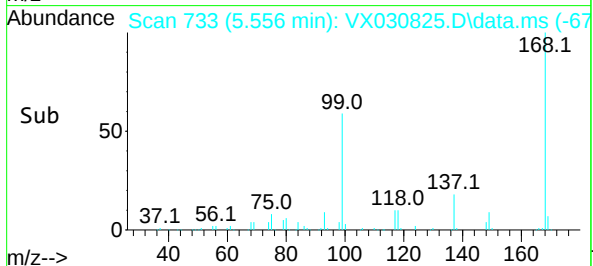
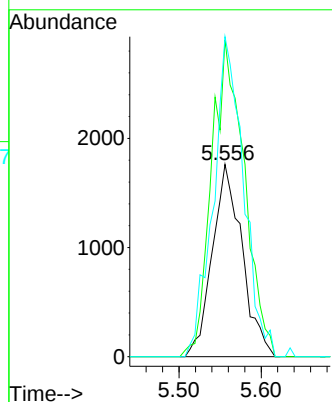


#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

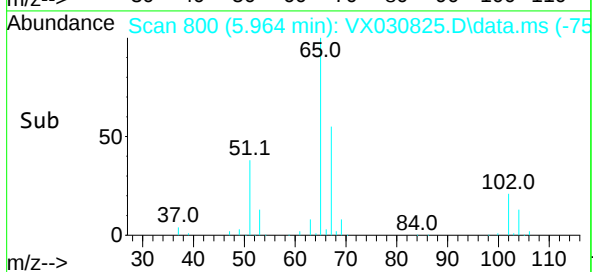
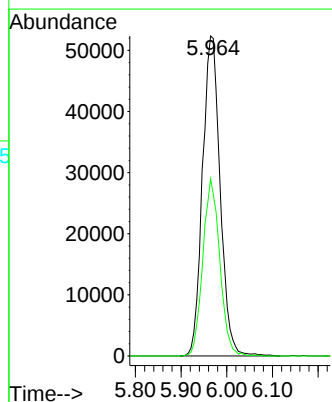
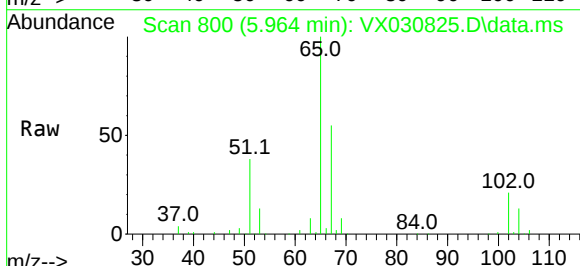


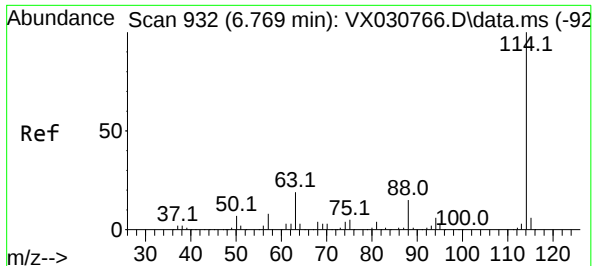
Tgt Ion: 56 Resp: 4430
Ion Ratio Lower Upper
56 100
69 164.7 25.4 38.0#
84 166.4 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 52.594 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 65 Resp: 140517
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX030825.D

Acq: 26 Aug 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20220817

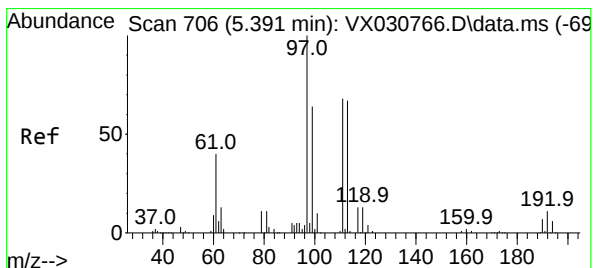
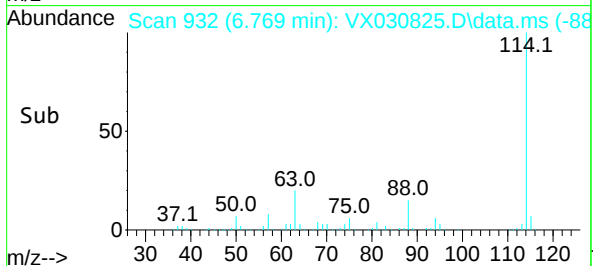
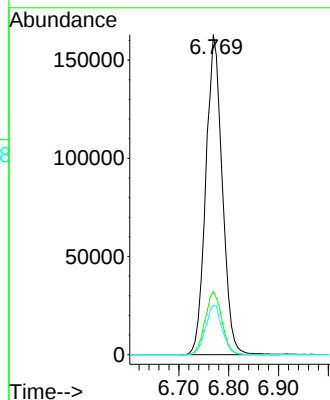
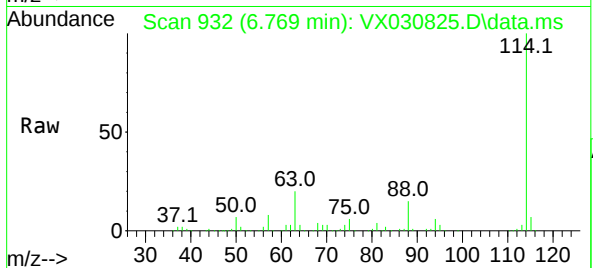
Tgt Ion:114 Resp: 373008

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.935 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX030825.D

Acq: 26 Aug 2022 15:27

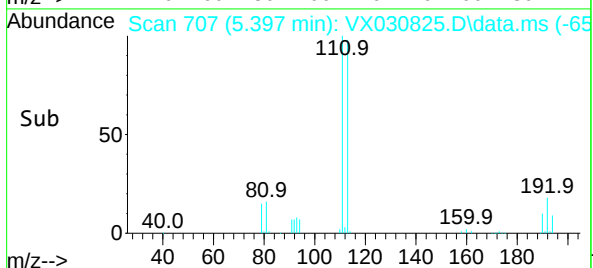
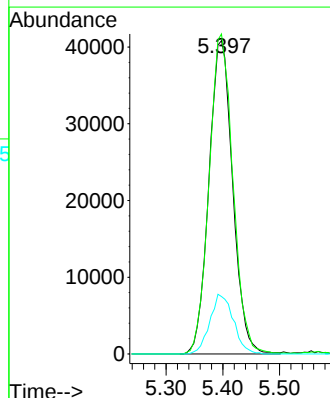
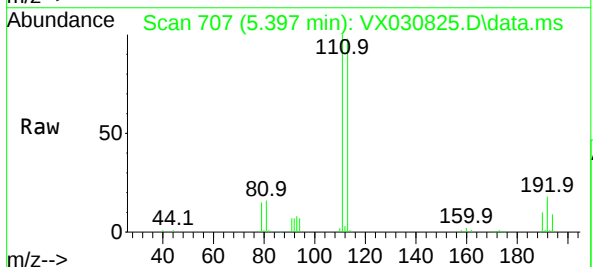
Tgt Ion:113 Resp: 119058

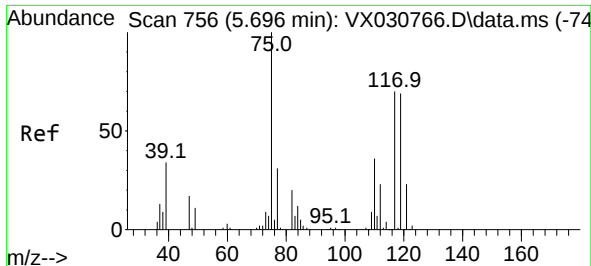
Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

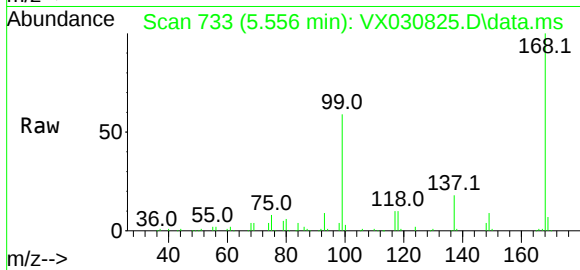
192 18.8 14.8 22.2



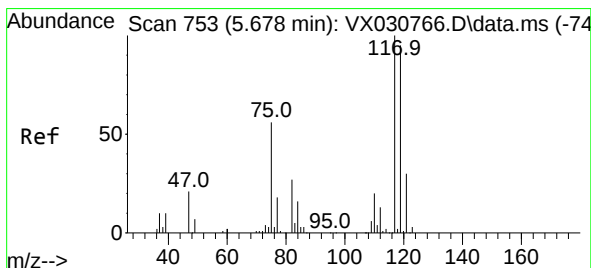
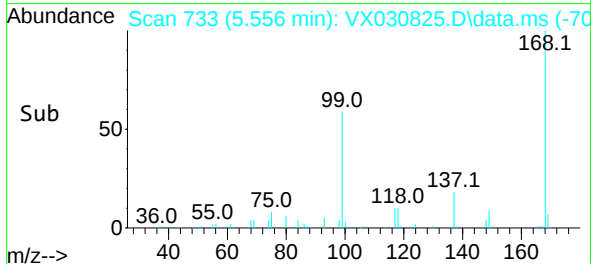
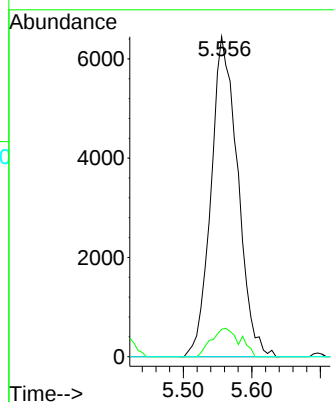


#36
1,1-Dichloropropene
Concen: 5.584 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

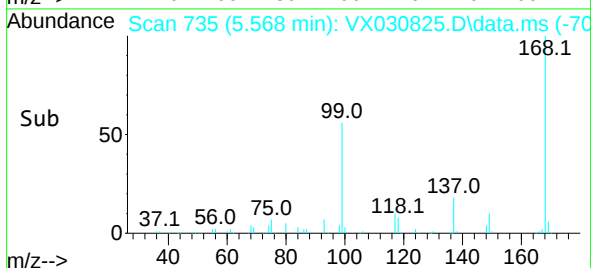
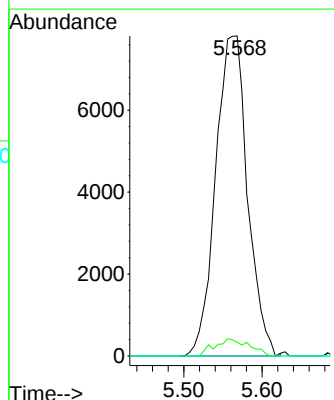
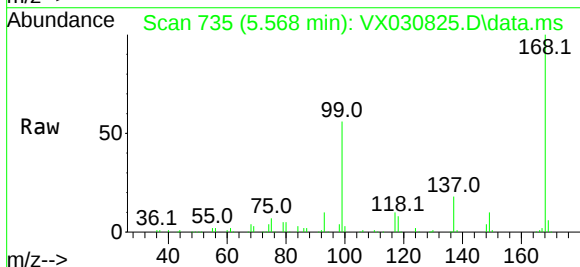


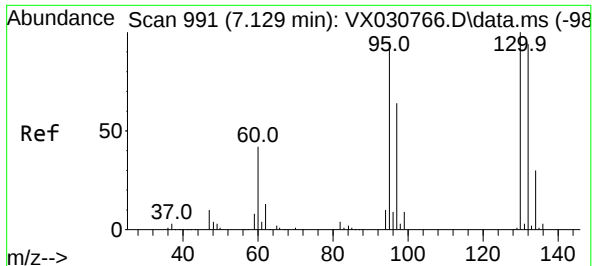
Tgt Ion: 75 Resp: 17432
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.717 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.110 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 117 Resp: 22117
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#

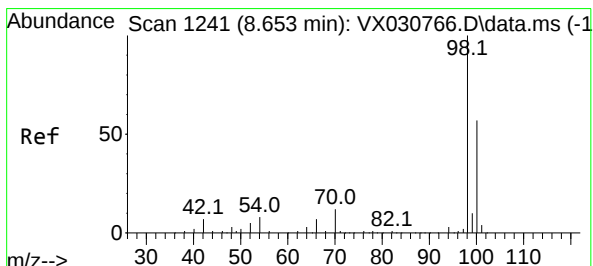
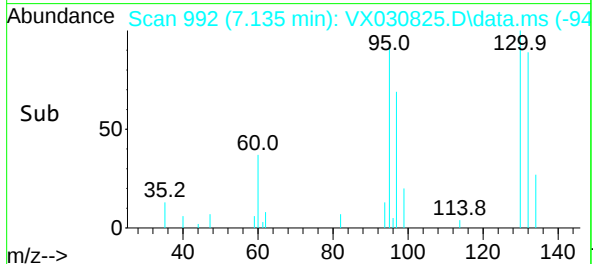
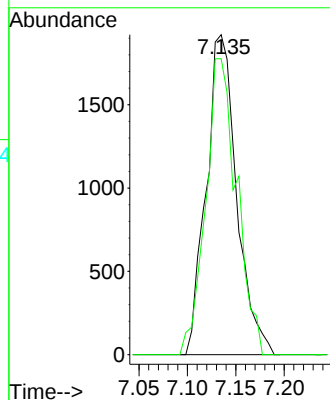
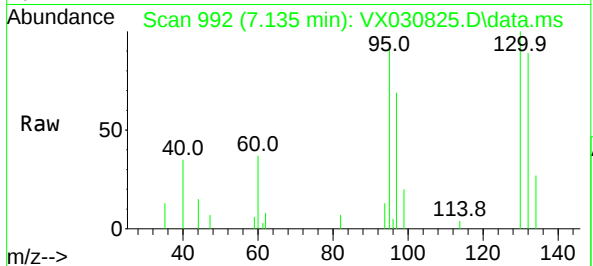




#44
Trichloroethene
Concen: 1.558 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

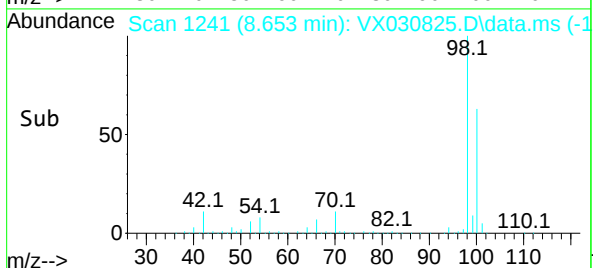
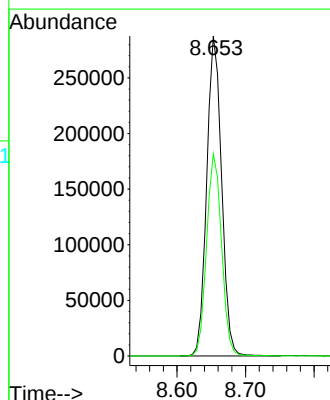
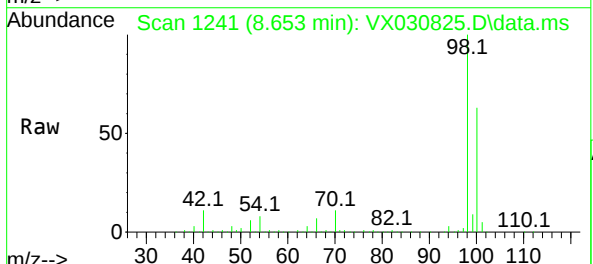
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

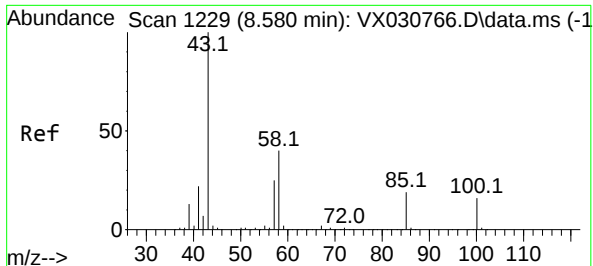
Tgt Ion:130 Resp: 4205
Ion Ratio Lower Upper
130 100
95 92.5 0.0 194.8



#50
Toluene-d8
Concen: 54.532 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 98 Resp: 435623
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.481 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX030825.D

Acq: 26 Aug 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

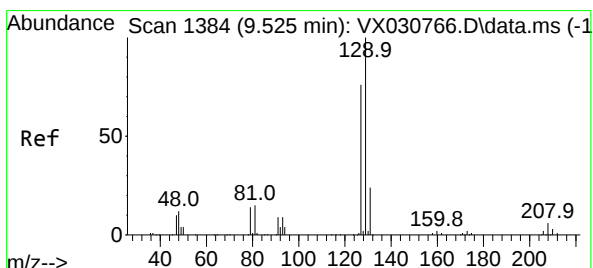
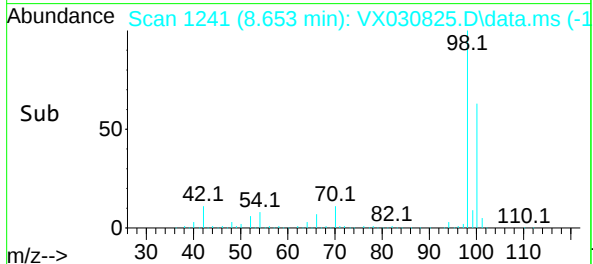
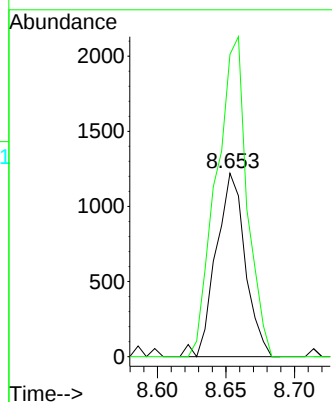
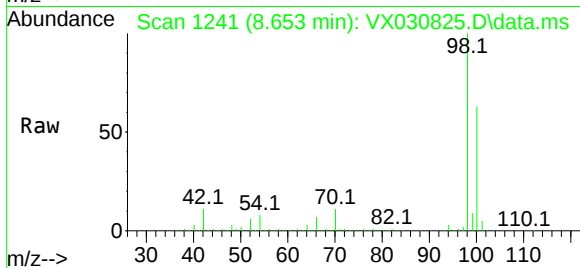
RE126D3-20220817

Tgt Ion: 43 Resp: 1808

Ion Ratio Lower Upper

43 100

58 184.1 31.4 47.2#



#60

Dibromochloromethane

Concen: 0.900 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX030825.D

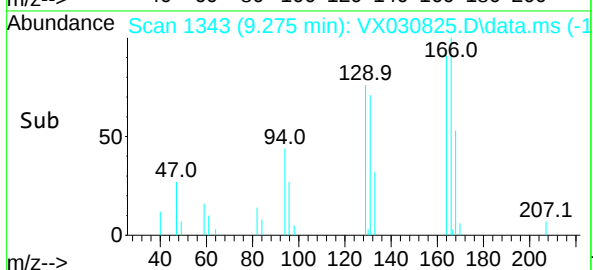
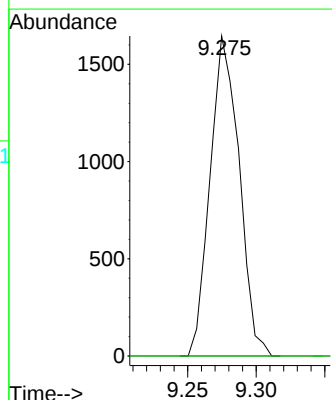
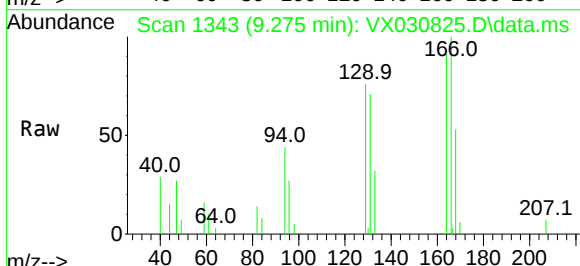
Acq: 26 Aug 2022 15:27

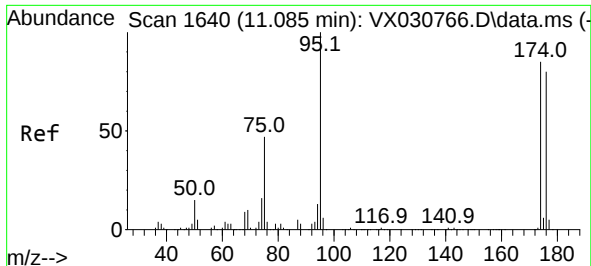
Tgt Ion: 129 Resp: 2430

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

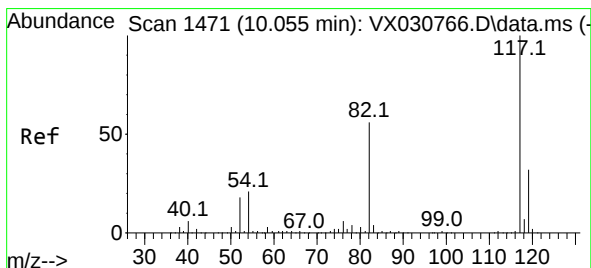
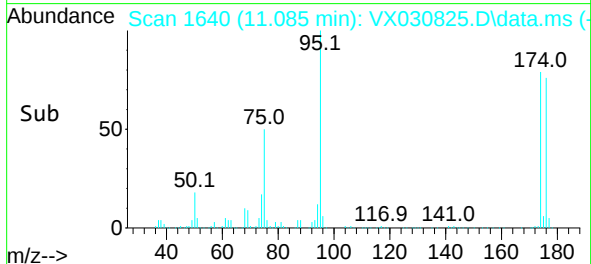
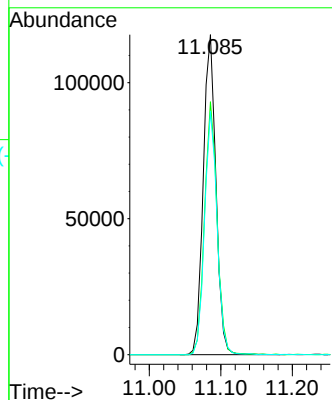
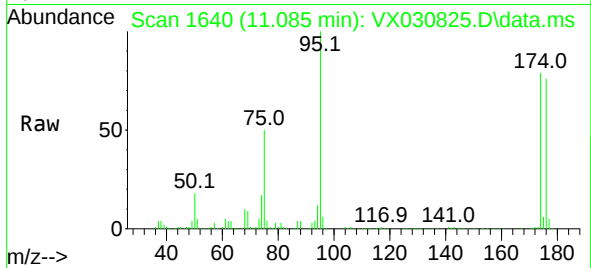




#62
4-Bromofluorobenzene
Concen: 48.682 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

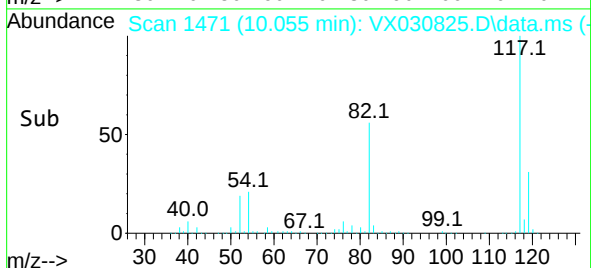
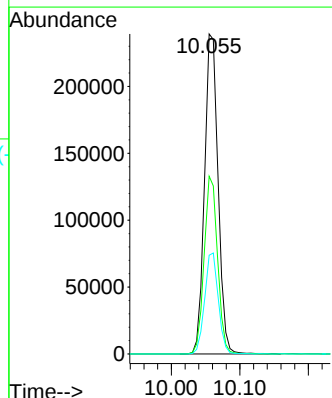
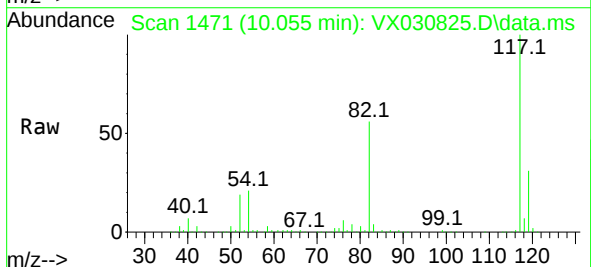
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

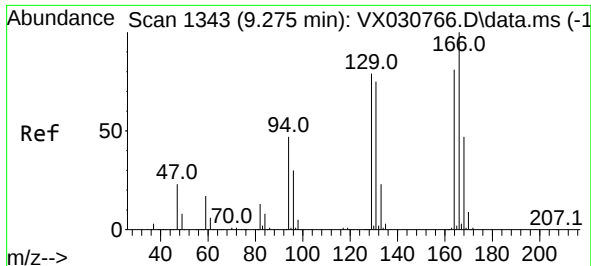
Tgt Ion: 95 Resp: 144785
Ion Ratio Lower Upper
95 100
174 78.5 0.0 149.0
176 75.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 117 Resp: 330177
Ion Ratio Lower Upper
117 100
82 55.5 42.7 64.1
119 30.8 25.4 38.2

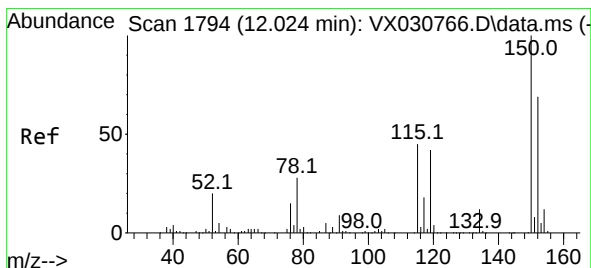
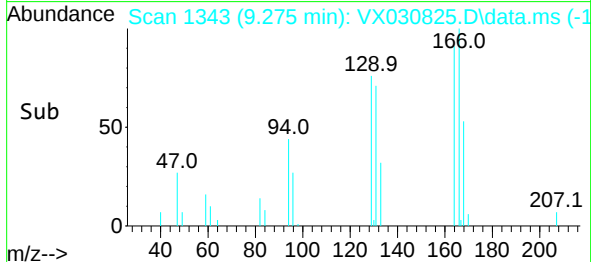
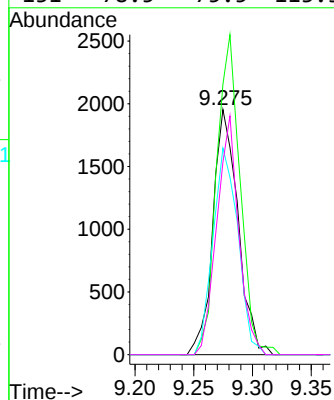
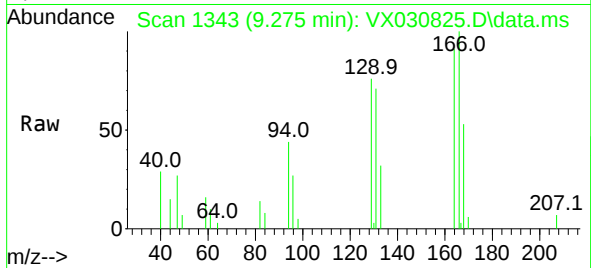




#64
Tetrachloroethene
Concen: 1.118 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

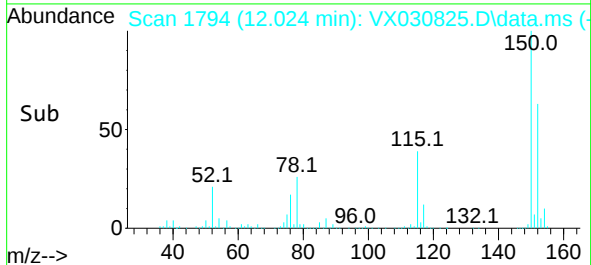
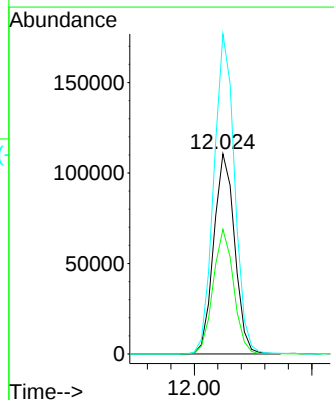
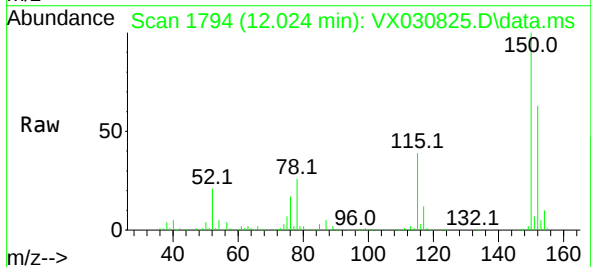
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

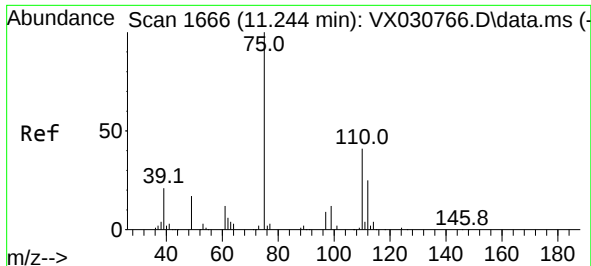
Tgt Ion:164	Resp:	2908	
Ion	Ratio	Lower	Upper
164	100		
166	110.2	98.2	147.4
129	84.2	80.8	121.2
131	78.5	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion:152	Resp:	137146	
Ion	Ratio	Lower	Upper
152	100		
115	60.9	40.5	121.5
150	158.2	0.0	347.0

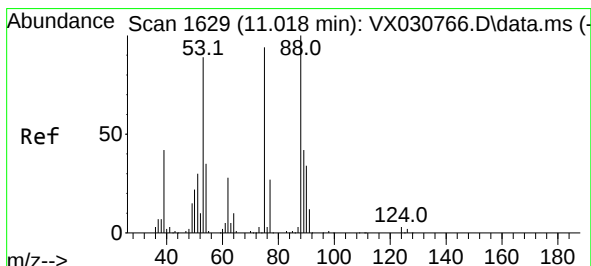
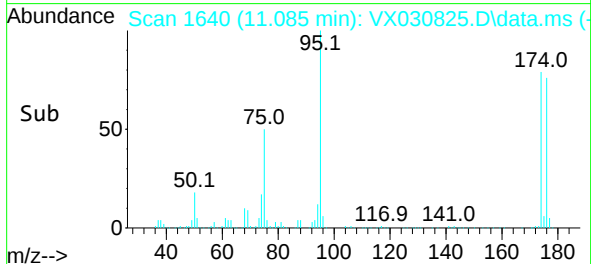
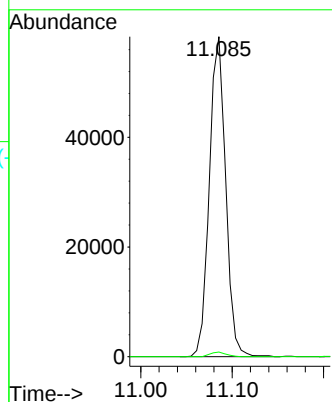
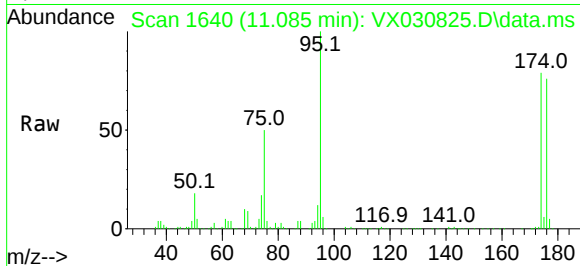




#76
1,2,3-Trichloropropane
Concen: 24.041 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20220817

Tgt Ion: 75 Resp: 72236
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.567 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030825.D
Acq: 26 Aug 2022 15:27

Tgt Ion: 75 Resp: 72236
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

