

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031087.D
 Acq On : 03 Sep 2022 17:03
 Operator : JC/MD
 Sample : N4357-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20220823

Quant Time: Sep 06 00:14:18 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)

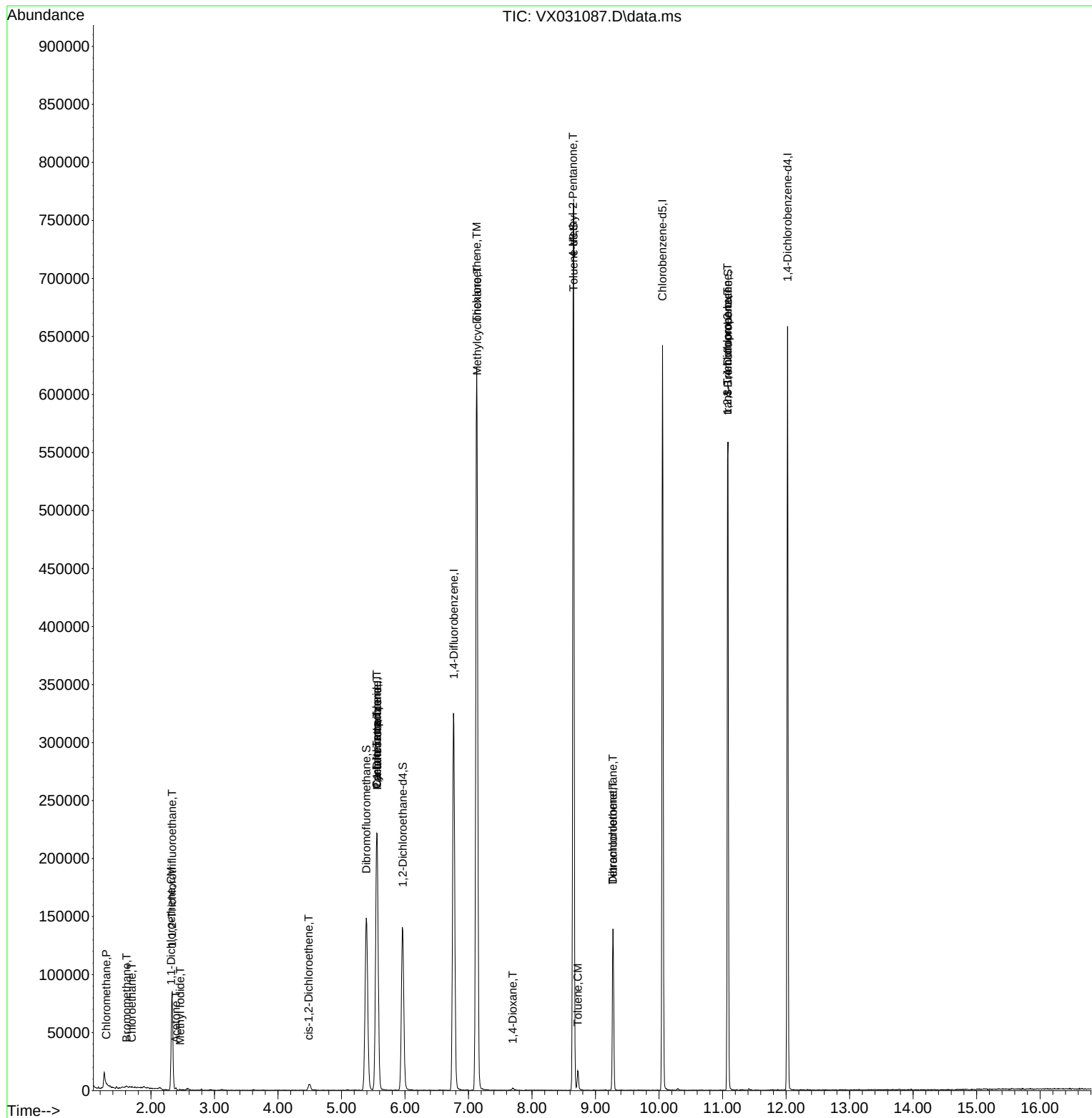
Internal Standards						
1) Pentafluorobenzene	5.562	168	230953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	359908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	138511	46.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.220%
35) Dibromofluoromethane	5.391	113	134573	51.237	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.480%
50) Toluene-d8	8.653	98	470106	48.633	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.260%
62) 4-Bromofluorobenzene	11.085	95	154990	45.396	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	292	0.827	ug/l #	71
5) Bromomethane	1.618	94	240	0.216	ug/l #	67
6) Chloroethane	1.697	64	893	2.212	ug/l #	46
9) 1,1,2-Trichlorotrifluo...	2.331	101	32928	11.851	ug/l	91
10) Methyl Iodide	2.459	142	645	3.135	ug/l #	83
11) Tert butyl alcohol	2.977	59	20	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	917	0.342	ug/l #	70
16) Acetone	2.392	43	1105	0.963	ug/l #	79
20) Methylene Chloride	2.788	84	297	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.483	96	4193	1.253	ug/l	50
31) Cyclohexane	5.556	56	3362	0.828	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14526	3.948	ug/l #	49
38) Carbon Tetrachloride	5.556	117	21707	5.684	ug/l #	17
39) Methylcyclohexane	7.135	83	2543	0.558	ug/l #	1
44) Trichloroethene	7.129	130	267288	79.950	ug/l	95
49) 1,4-Dioxane	7.696	88	2031	26.476	ug/l #	80
51) 4-Methyl-2-Pentanone	8.647	43	1576	0.491	ug/l #	1
52) Toluene	8.720	92	6335	0.925	ug/l	97
60) Dibromochloromethane	9.275	129	27202	8.996	ug/l #	11
64) Tetrachloroethene	9.275	164	28043	8.836	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	72196	21.898	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72196	68.820	ug/l #	13

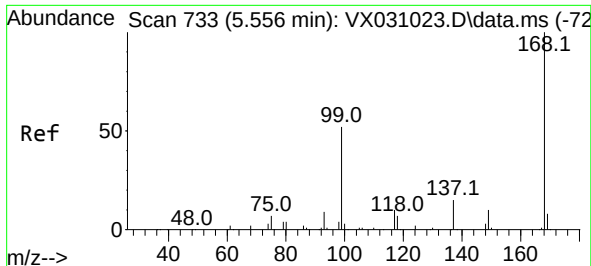
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

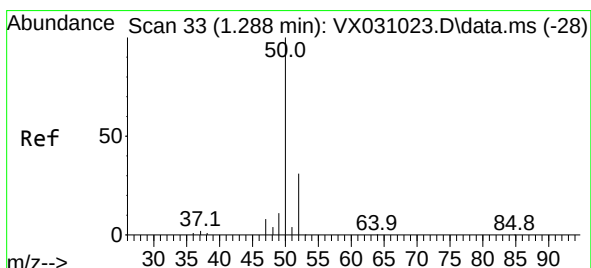
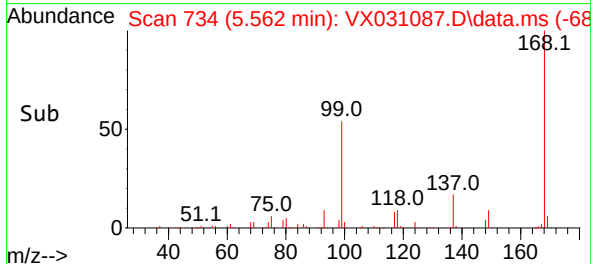
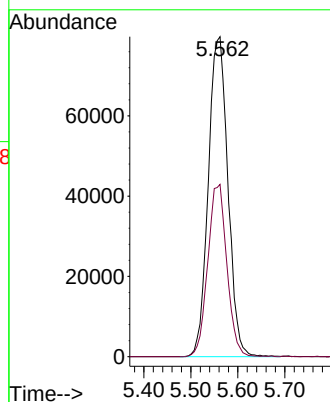
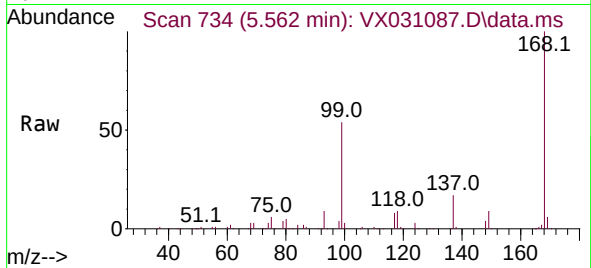




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

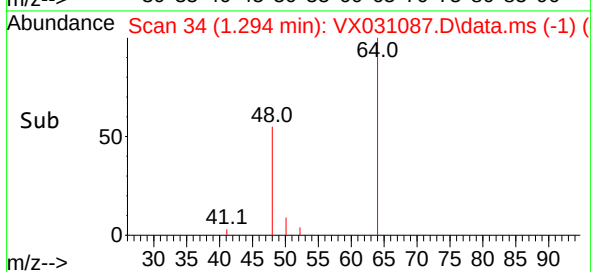
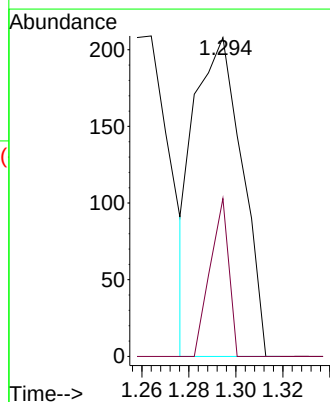
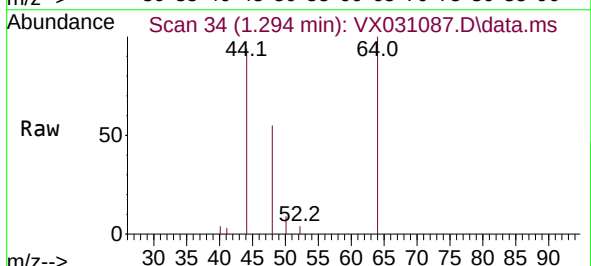
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

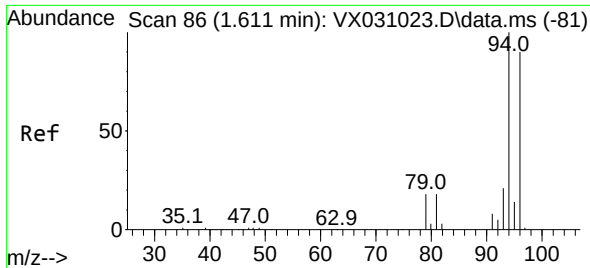
Tgt Ion:168 Resp: 230953
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#3
Chloromethane
Concen: 0.827 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 50 Resp: 292
Ion Ratio Lower Upper
50 100
52 49.5 26.3 39.5#

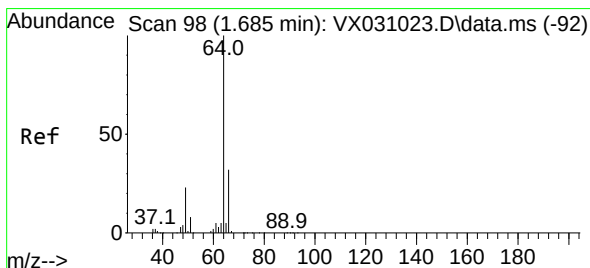
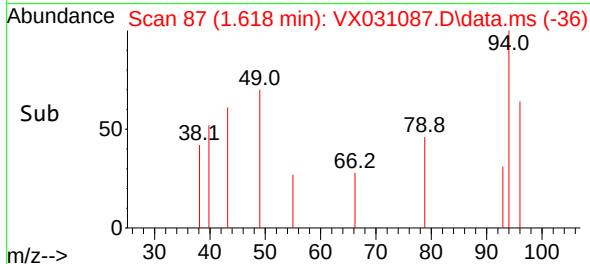
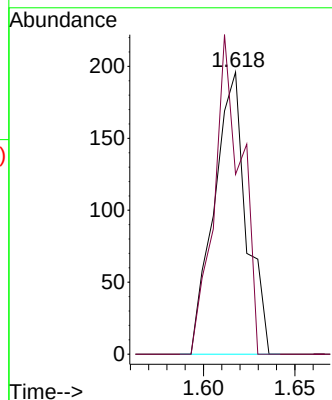
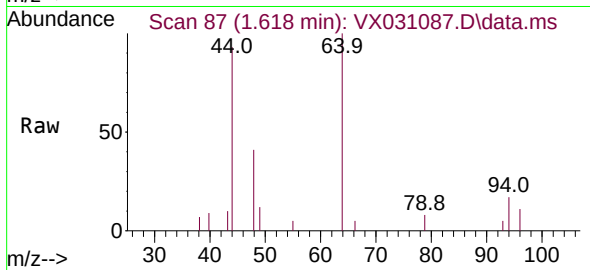




#5
Bromomethane
Concen: 0.216 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

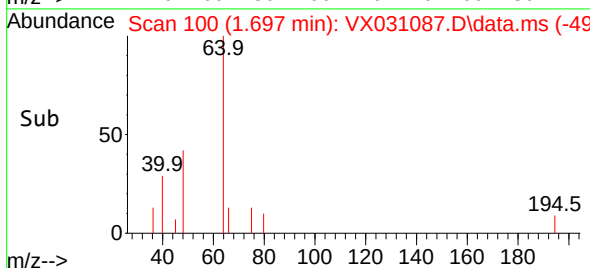
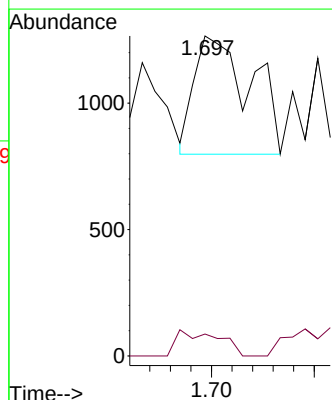
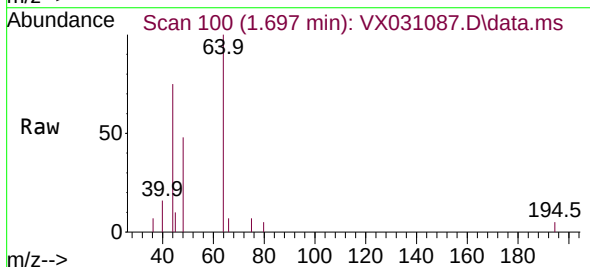
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

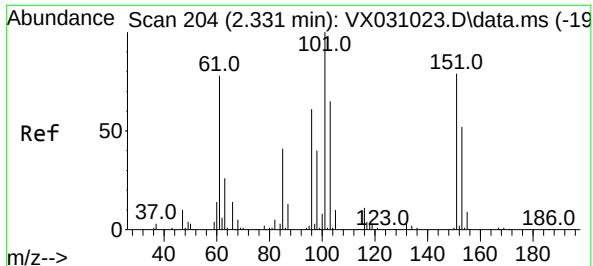
Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 63.8 76.9 115.3#



#6
Chloroethane
Concen: 2.212 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 64 Resp: 893
Ion Ratio Lower Upper
64 100
66 3.2 27.2 40.8#

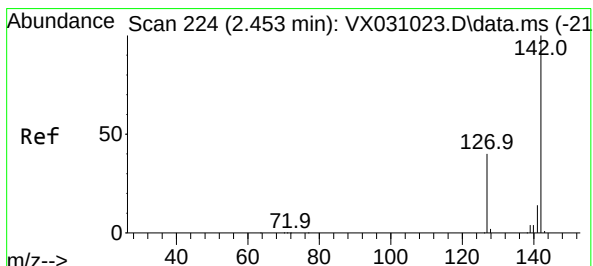
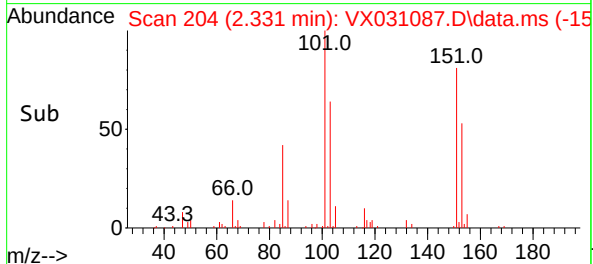
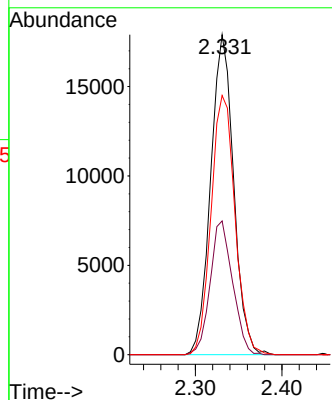
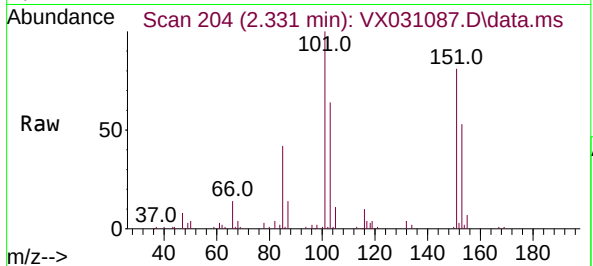




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.851 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

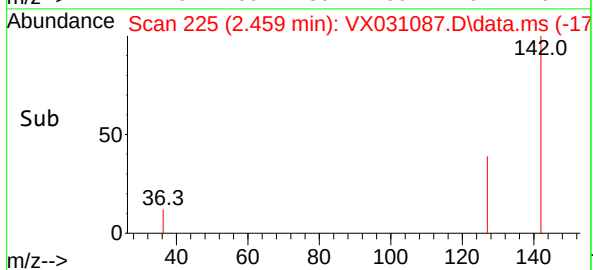
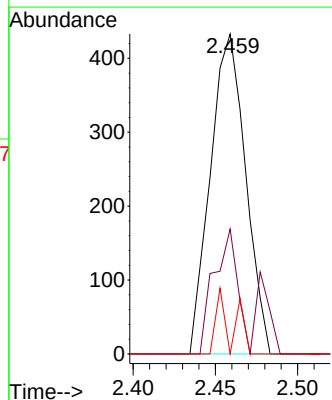
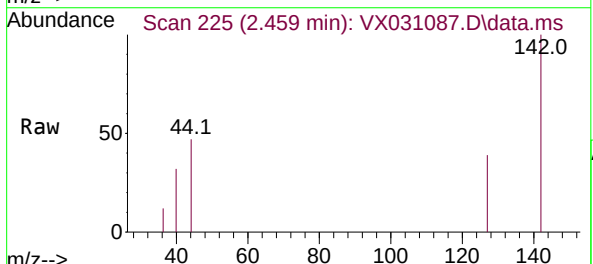
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

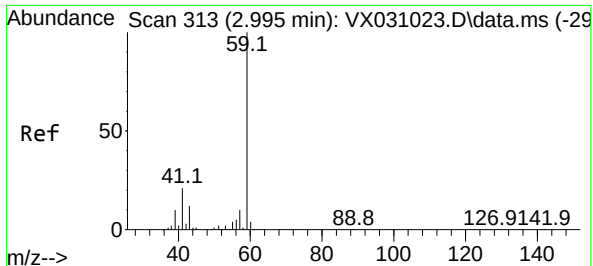
Tgt Ion:101 Resp: 32928
Ion Ratio Lower Upper
101 100
85 40.9 34.0 51.0
151 84.4 59.4 89.0



#10
Methyl Iodide
Concen: 3.135 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion:142 Resp: 645
Ion Ratio Lower Upper
142 100
127 26.2 30.2 45.2#
141 9.3 11.3 16.9#

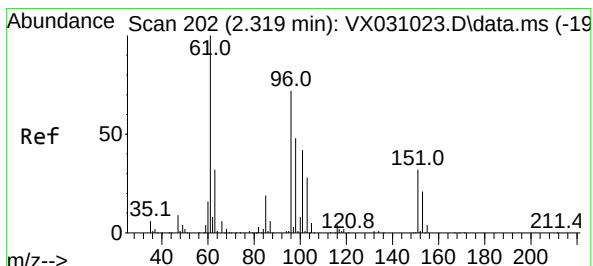
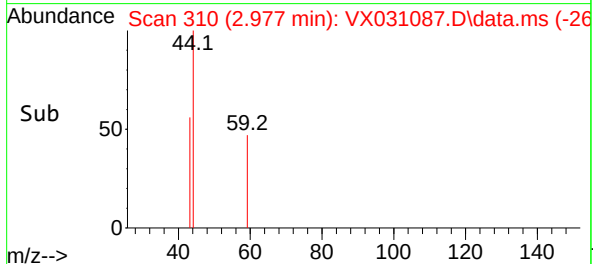
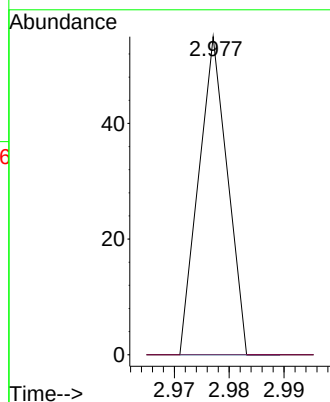
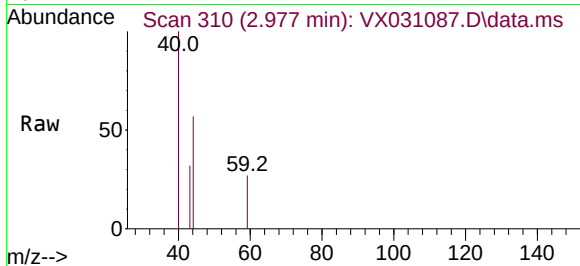




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 31
Delta R.T. -0.012 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

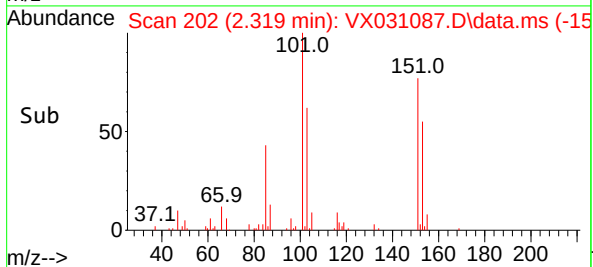
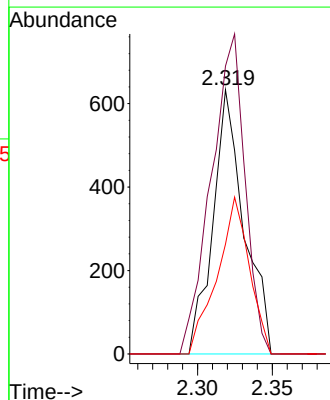
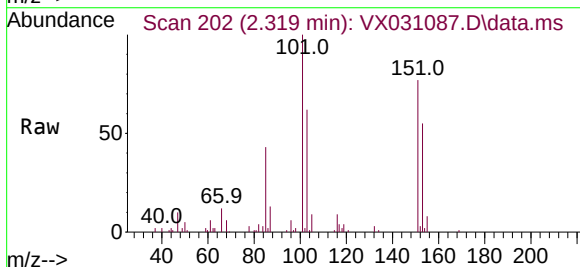
Instrument :
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ClientSampleId :
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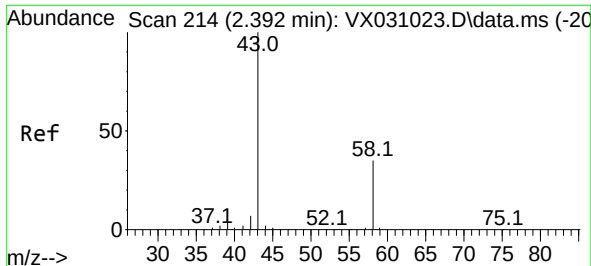
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 0.342 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 96 Resp: 917
Ion Ratio Lower Upper
96 100
61 109.0 117.4 176.0#
98 41.5 52.2 78.4#

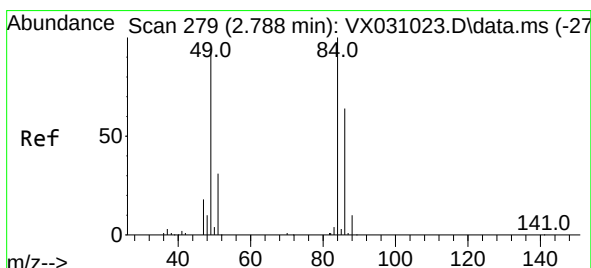
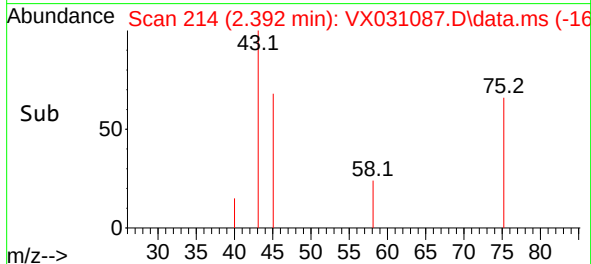
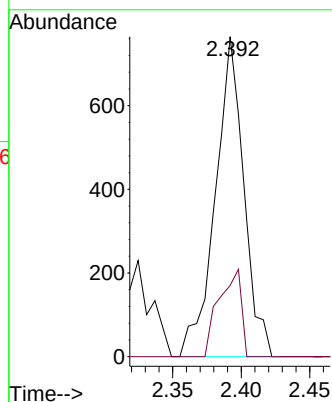
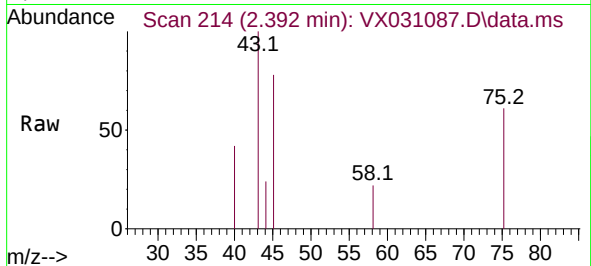




#16
Acetone
Concen: 0.963 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

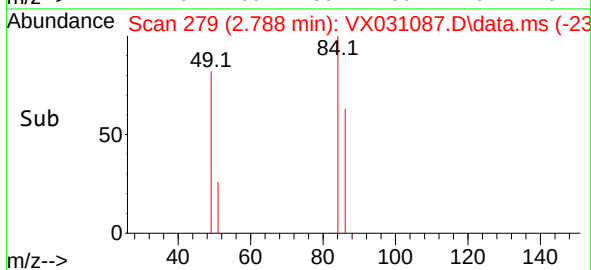
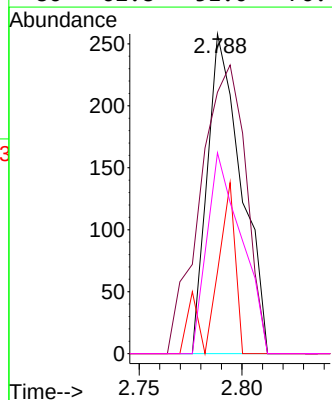
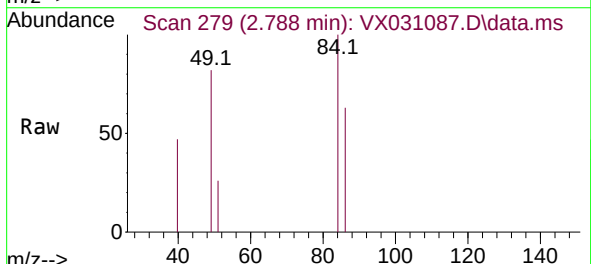
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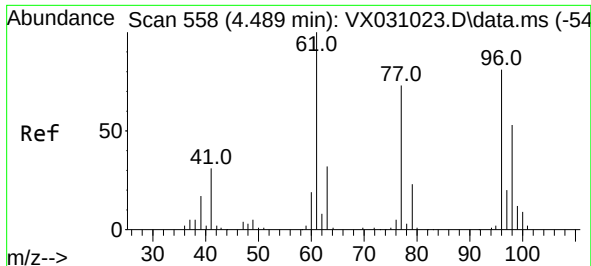
Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 22.2 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 84 Resp: 297
Ion Ratio Lower Upper
84 100
49 81.8 93.8 140.6#
51 25.6 29.4 44.0#
86 62.8 51.0 76.4





#27

cis-1,2-Dichloroethene

Concen: 1.253 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX031087.D

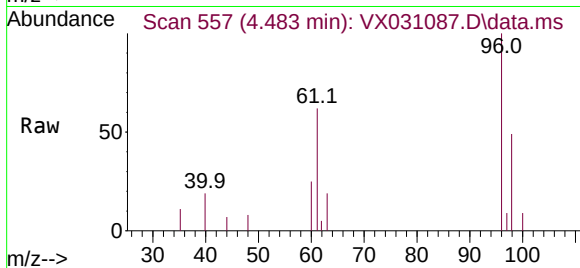
Acq: 03 Sep 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20220823



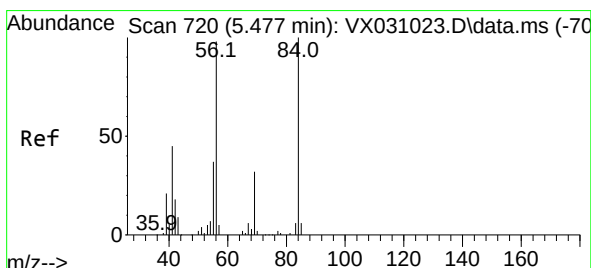
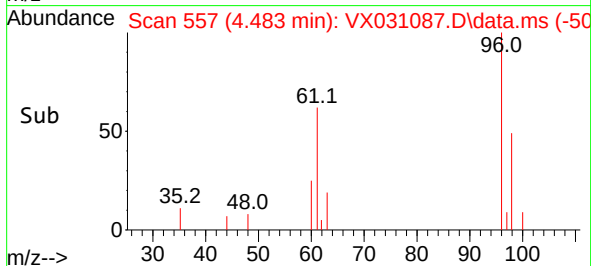
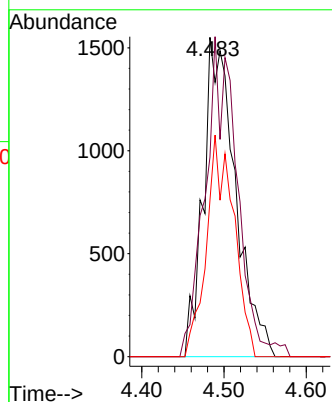
Tgt Ion: 96 Resp: 4193

Ion Ratio Lower Upper

96 100

61 49.8 0.0 270.0

98 59.2 0.0 127.8



#31

Cyclohexane

Concen: 0.828 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX031087.D

Acq: 03 Sep 2022 17:03

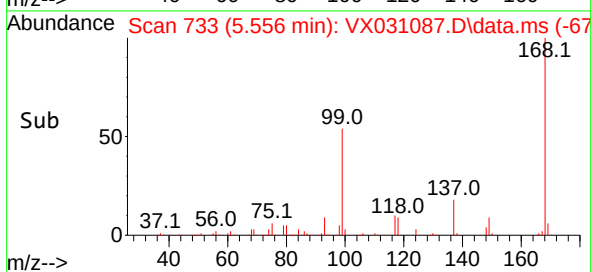
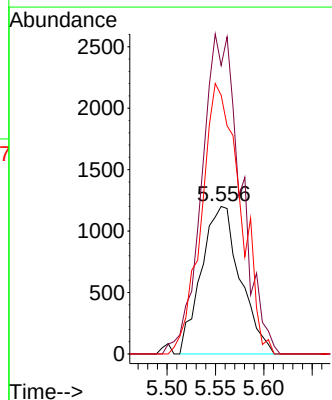
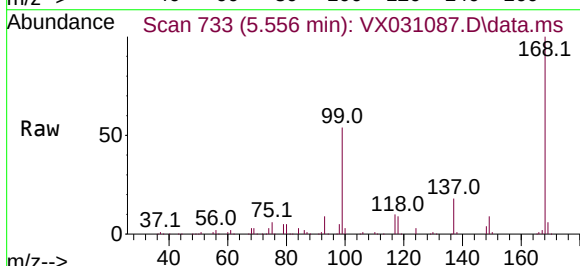
Tgt Ion: 56 Resp: 3362

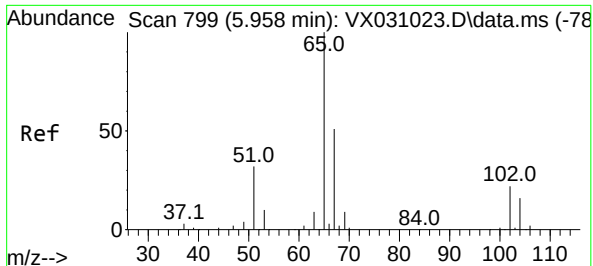
Ion Ratio Lower Upper

56 100

69 195.5 25.4 38.0#

84 175.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.611 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031087.D

Acq: 03 Sep 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

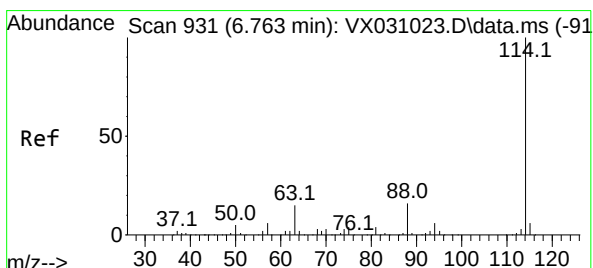
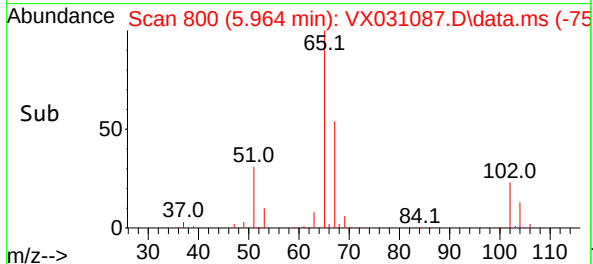
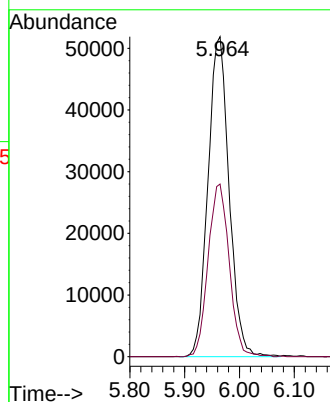
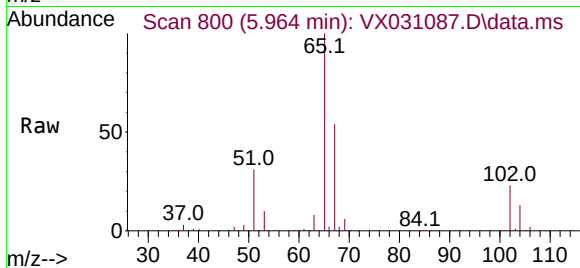
RE134D2-20220823

Tgt Ion: 65 Resp: 138511

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX031087.D

Acq: 03 Sep 2022 17:03

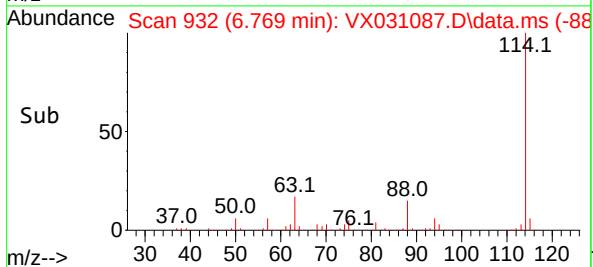
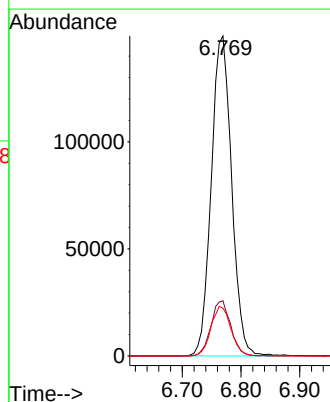
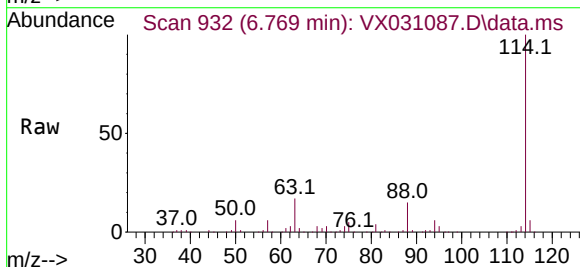
Tgt Ion: 114 Resp: 359908

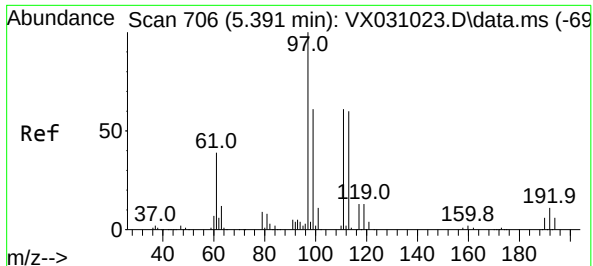
Ion Ratio Lower Upper

114 100

63 17.2 0.0 38.4

88 15.0 0.0 31.8

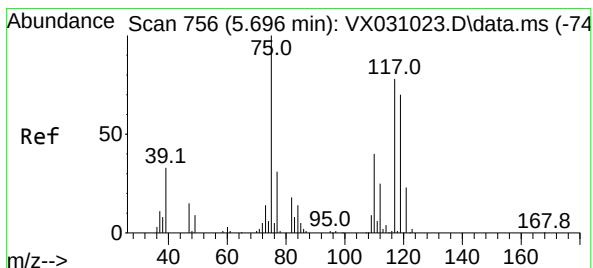
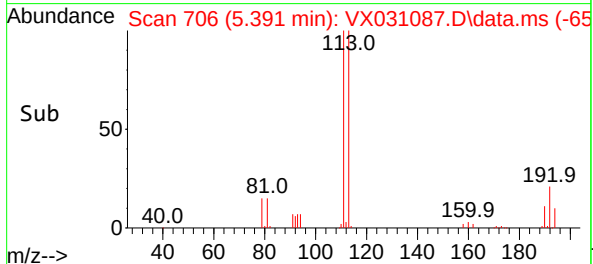
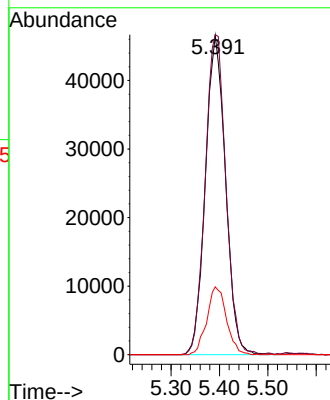
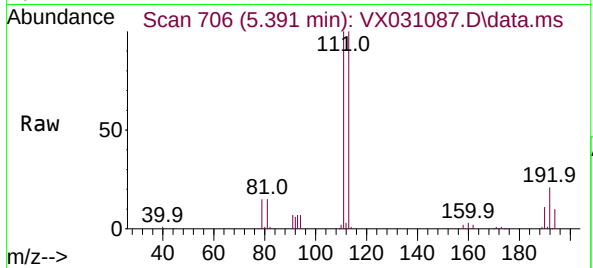




#35
Dibromofluoromethane
Concen: 51.237 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

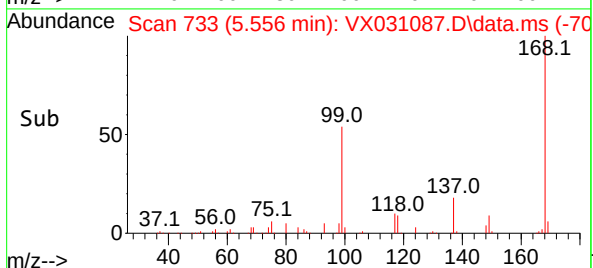
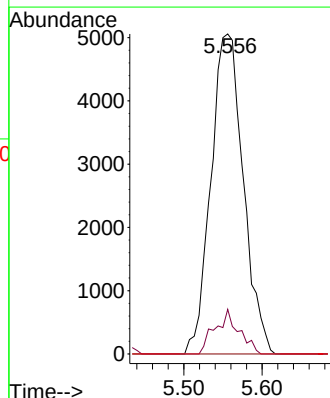
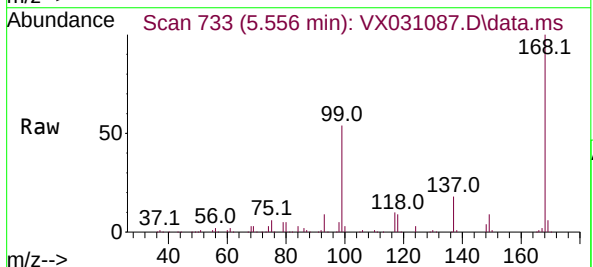
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

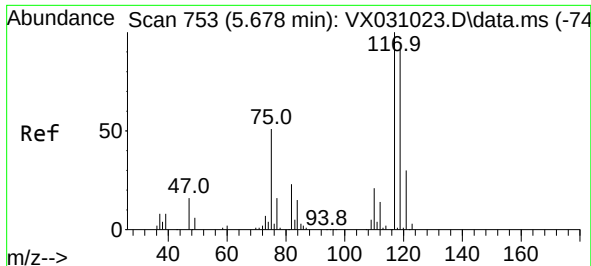
Tgt Ion:113 Resp: 134573
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 20.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.948 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

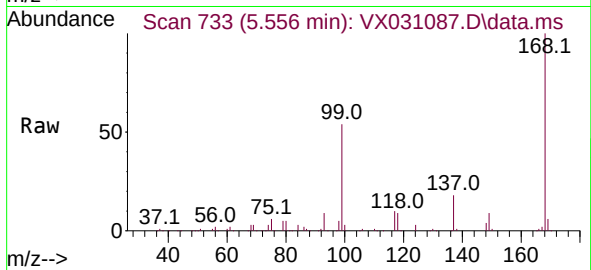
Tgt Ion: 75 Resp: 14526
Ion Ratio Lower Upper
75 100
110 10.2 19.3 57.9#
77 0.0 24.4 36.6#



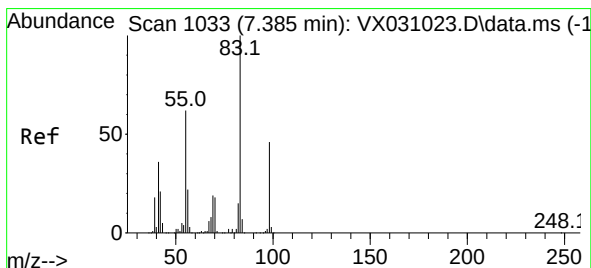
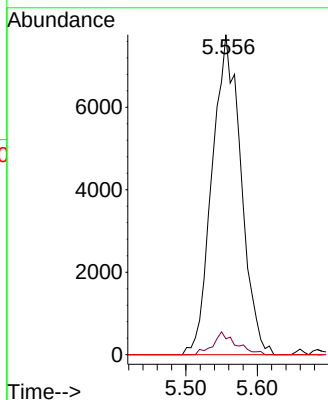
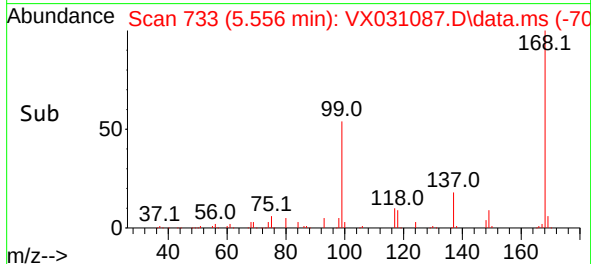


#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

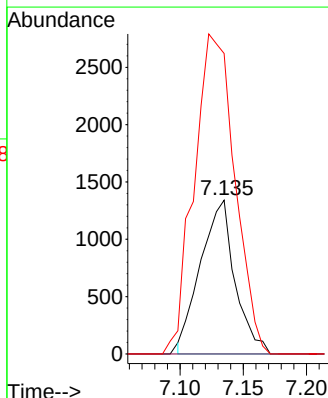
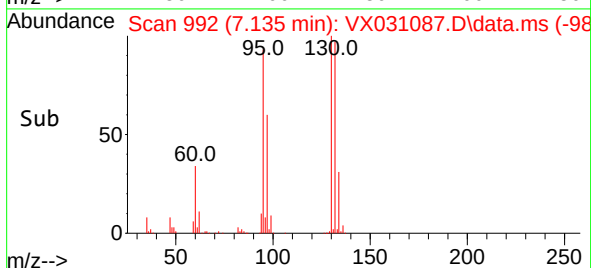
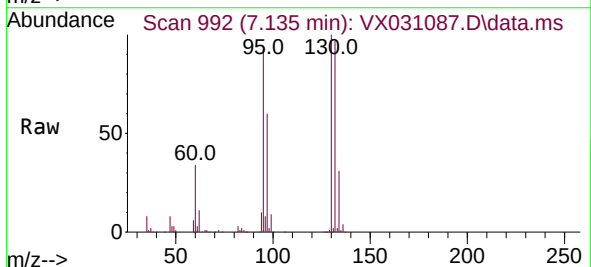


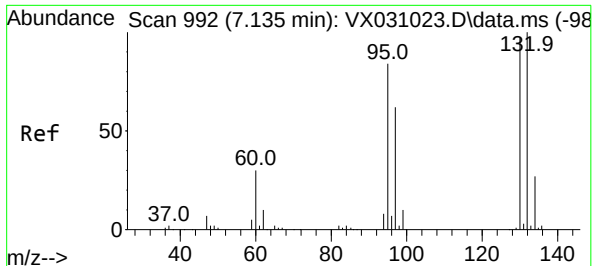
Tgt Ion:117 Resp: 21707
Ion Ratio Lower Upper
117 100
119 4.9 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.558 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 83 Resp: 2543
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 195.5 36.5 54.7#

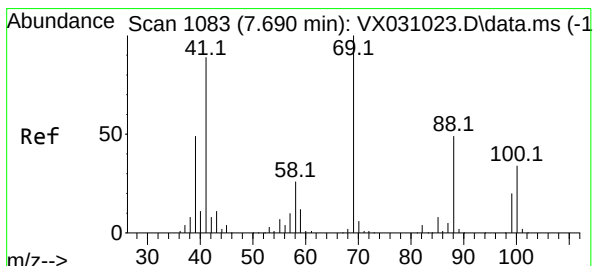
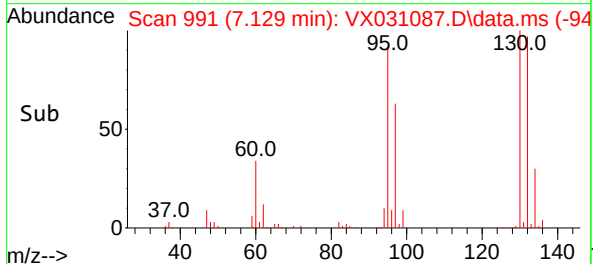
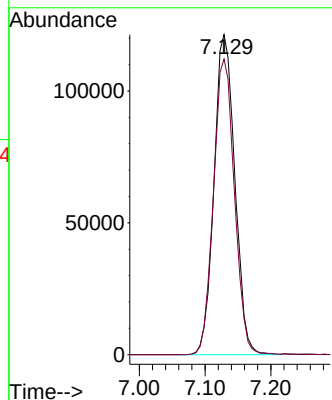
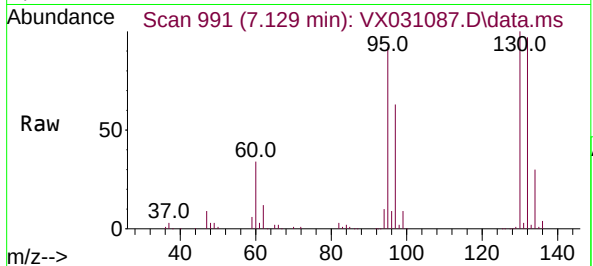




#44
Trichloroethene
Concen: 79.950 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

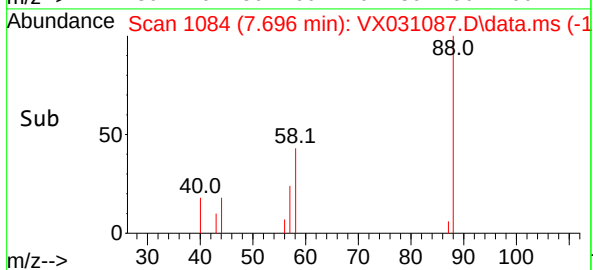
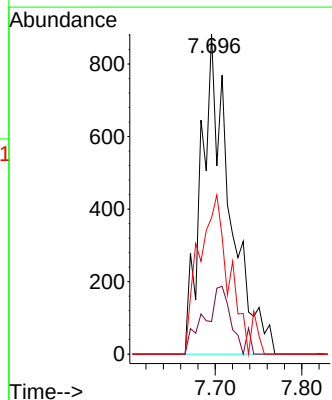
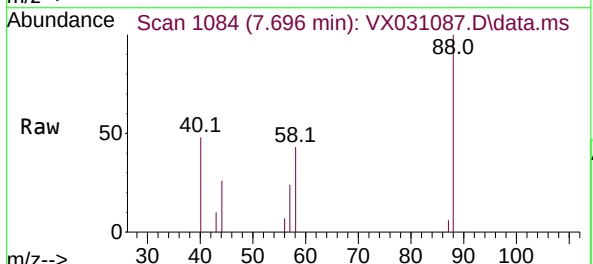
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

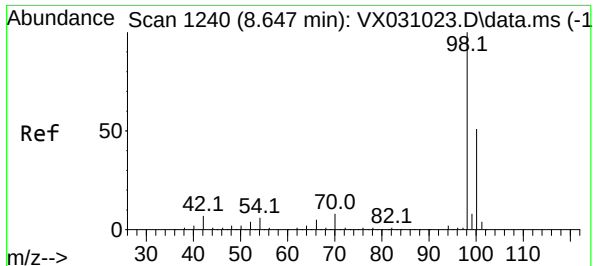
Tgt Ion:130 Resp: 267288
Ion Ratio Lower Upper
130 100
95 92.3 0.0 194.8



#49
1,4-Dioxane
Concen: 26.476 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.019 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 88 Resp: 2031
Ion Ratio Lower Upper
88 100
43 18.9 23.8 35.8#
58 51.2 53.8 80.6#

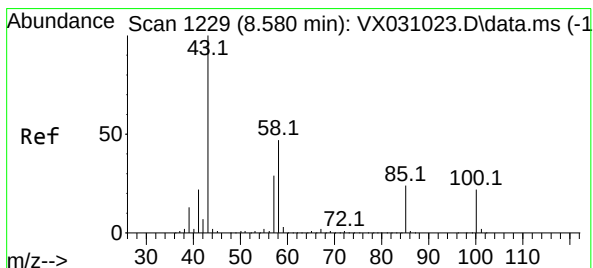
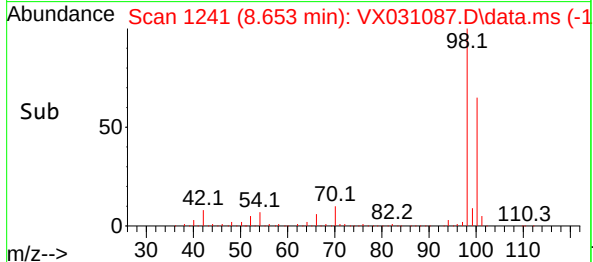
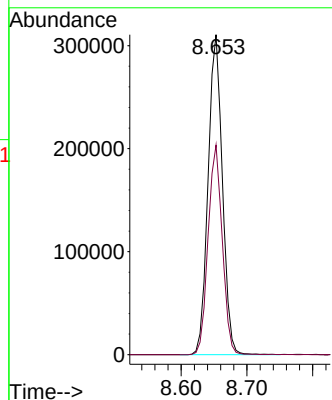
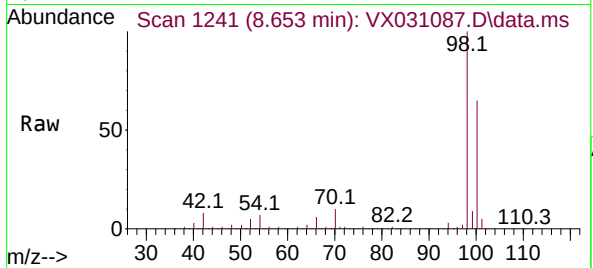




#50
Toluene-d8
Concen: 48.633 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

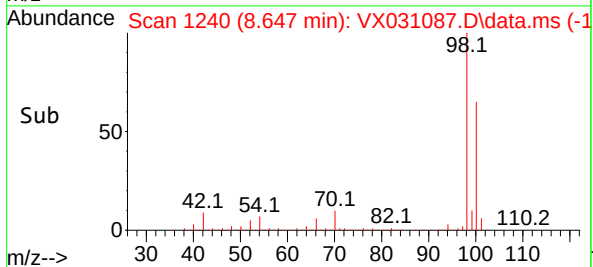
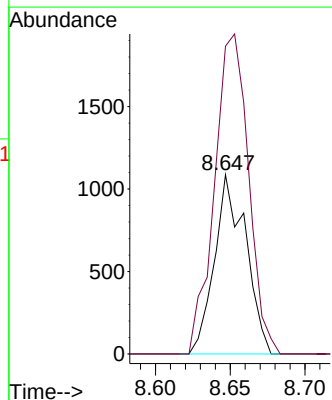
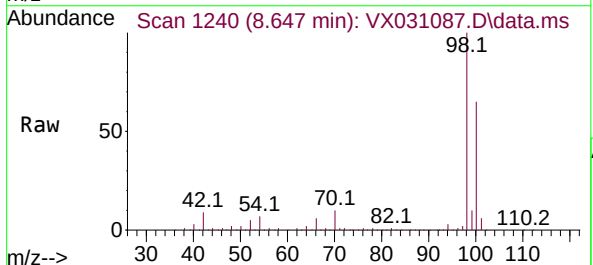
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

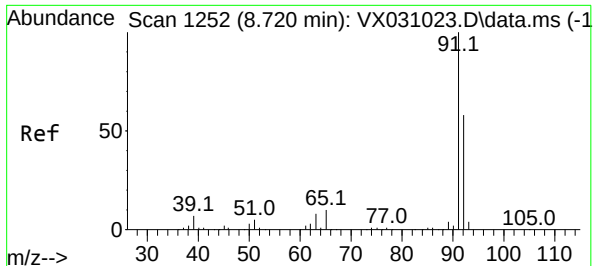
Tgt Ion: 98 Resp: 470106
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
58 194.9 31.4 47.2#

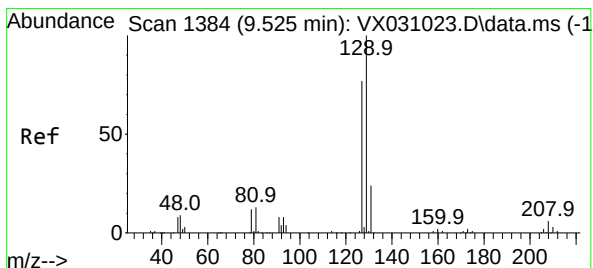
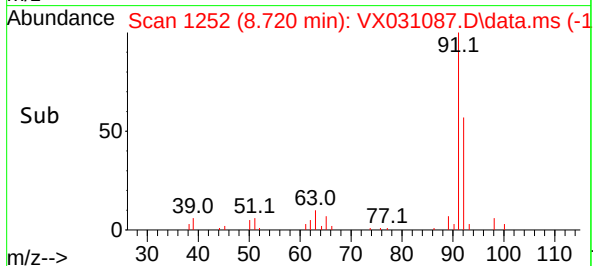
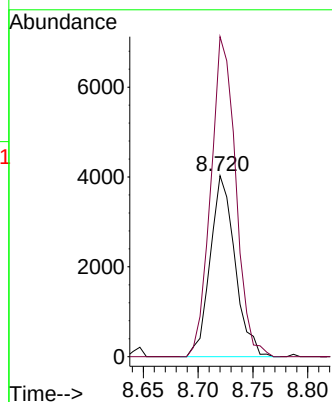
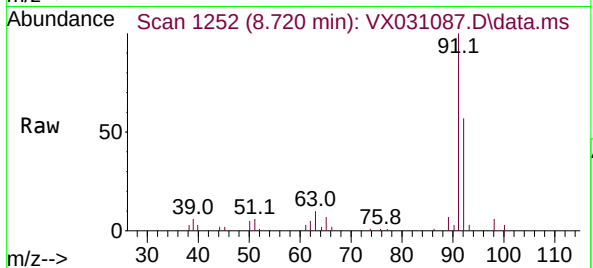




#52
Toluene
Concen: 0.925 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

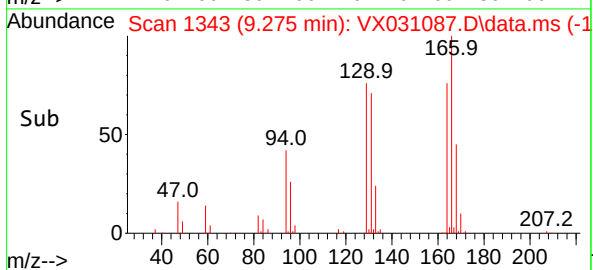
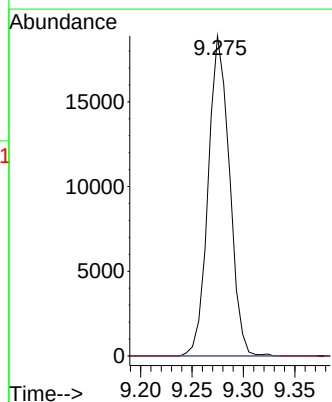
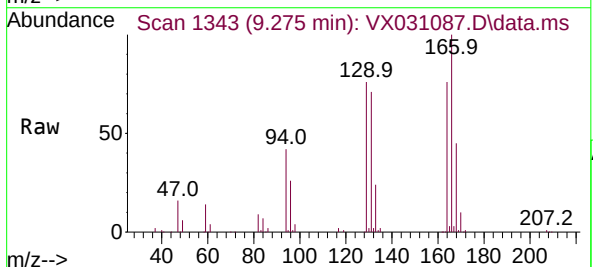
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

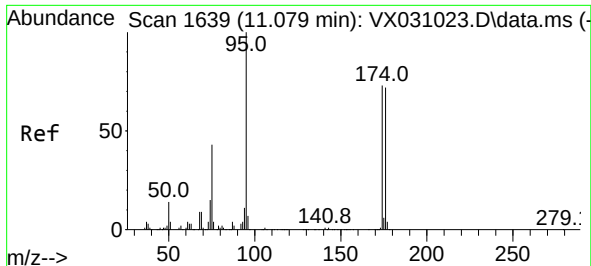
Tgt Ion: 92 Resp: 6335
Ion Ratio Lower Upper
92 100
91 177.9 139.2 208.8



#60
Dibromochloromethane
Concen: 8.996 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 129 Resp: 27202
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

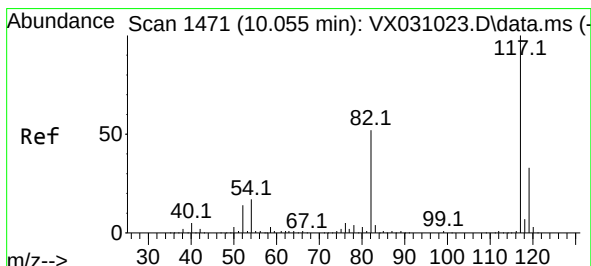
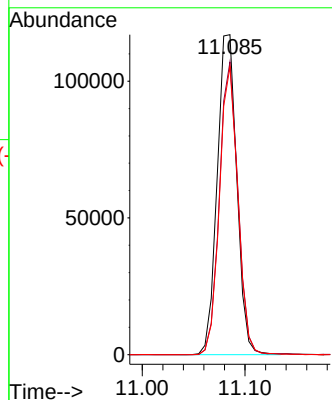
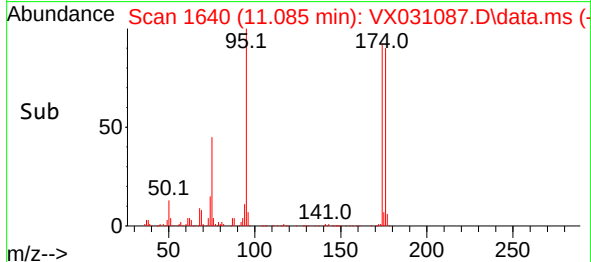
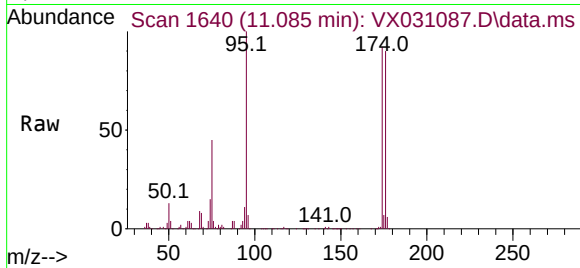




#62
4-Bromofluorobenzene
Concen: 45.396 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

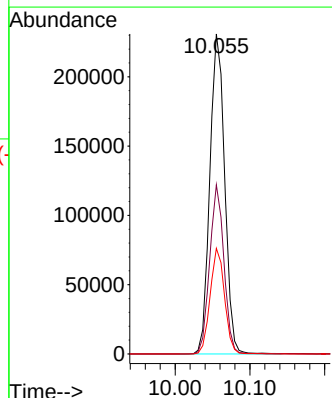
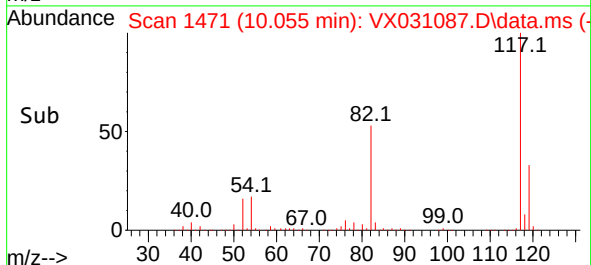
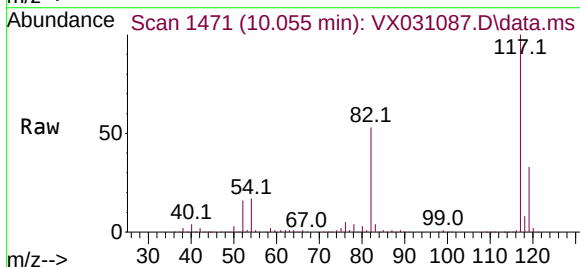
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

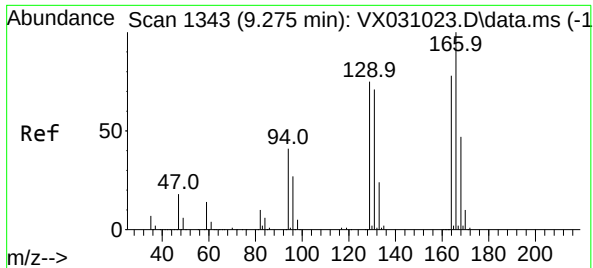
Tgt Ion: 95 Resp: 154990
Ion Ratio Lower Upper
95 100
174 86.3 0.0 149.0
176 84.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 117 Resp: 317865
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 33.0 25.4 38.2

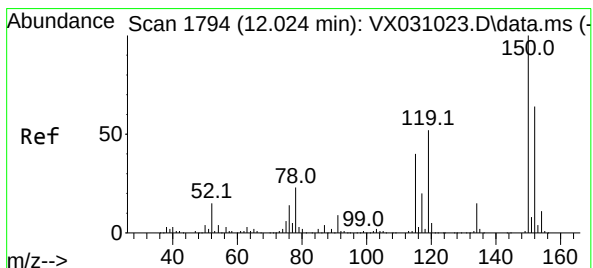
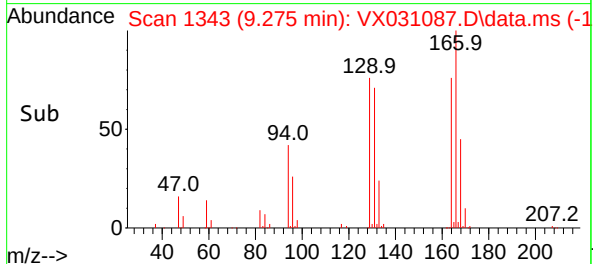
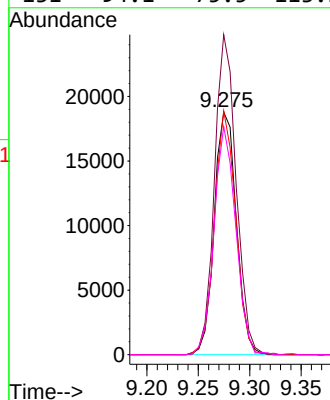
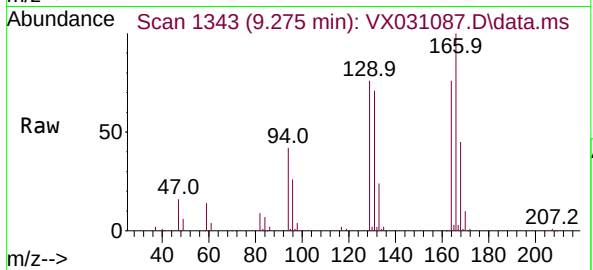




#64
Tetrachloroethene
Concen: 8.836 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

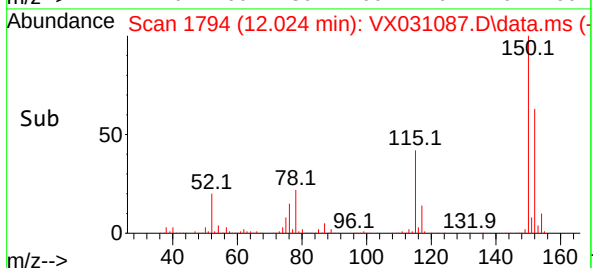
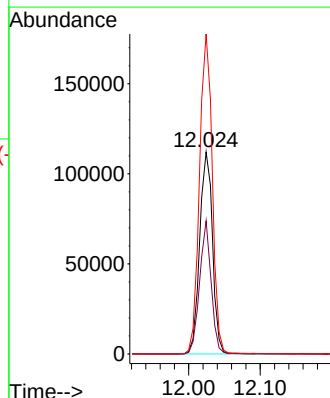
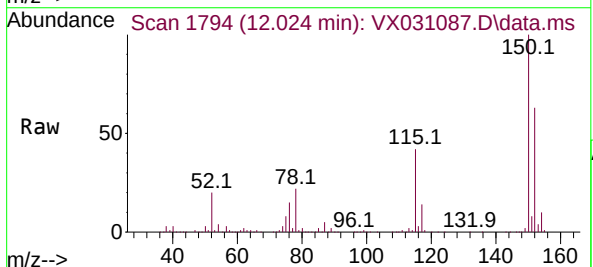
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

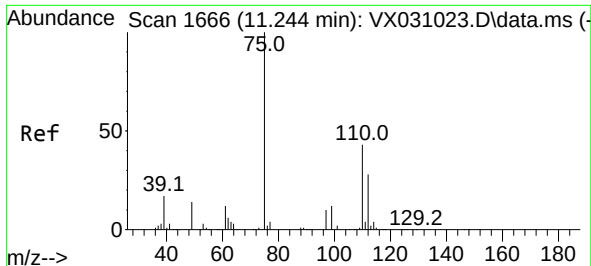
Tgt Ion:164	Resp:	28043
Ion	Ratio	Lower Upper
164	100	
166	131.9	98.2 147.4
129	100.6	80.8 121.2
131	94.1	75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion:152	Resp:	139468
Ion	Ratio	Lower Upper
152	100	
115	59.3	40.5 121.5
150	158.0	0.0 347.0

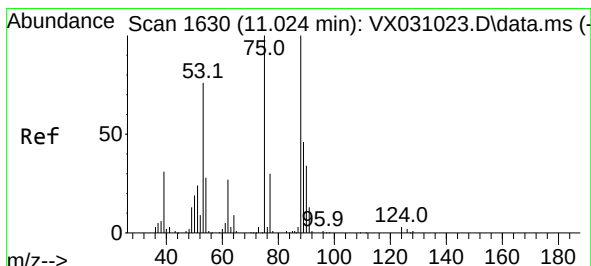
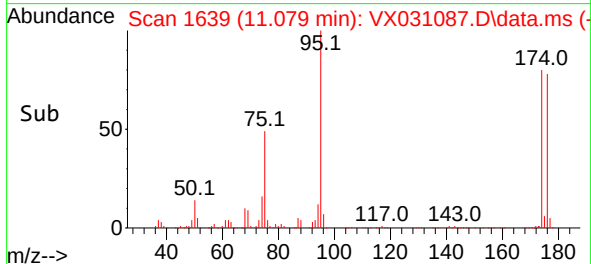
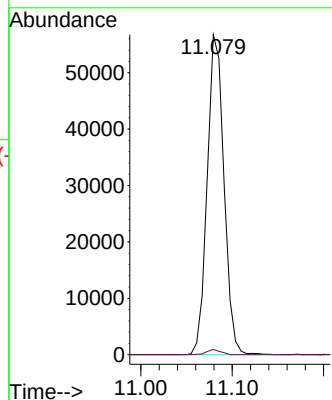
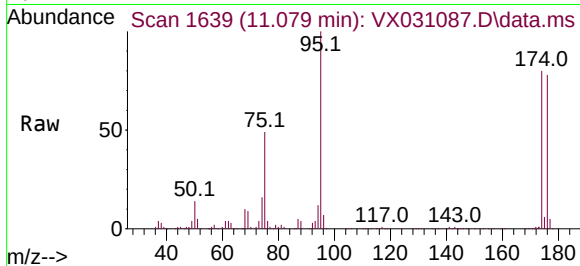




#76
1,2,3-Trichloropropane
Concen: 21.898 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20220823

Tgt Ion: 75 Resp: 72196
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.820 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031087.D
Acq: 03 Sep 2022 17:03

Tgt Ion: 75 Resp: 72196
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

