

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030368.D
 Acq On : 03 Aug 2022 14:13
 Operator : JC/MD
 Sample : N3976-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3-0729

Quant Time: Aug 03 15:55:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

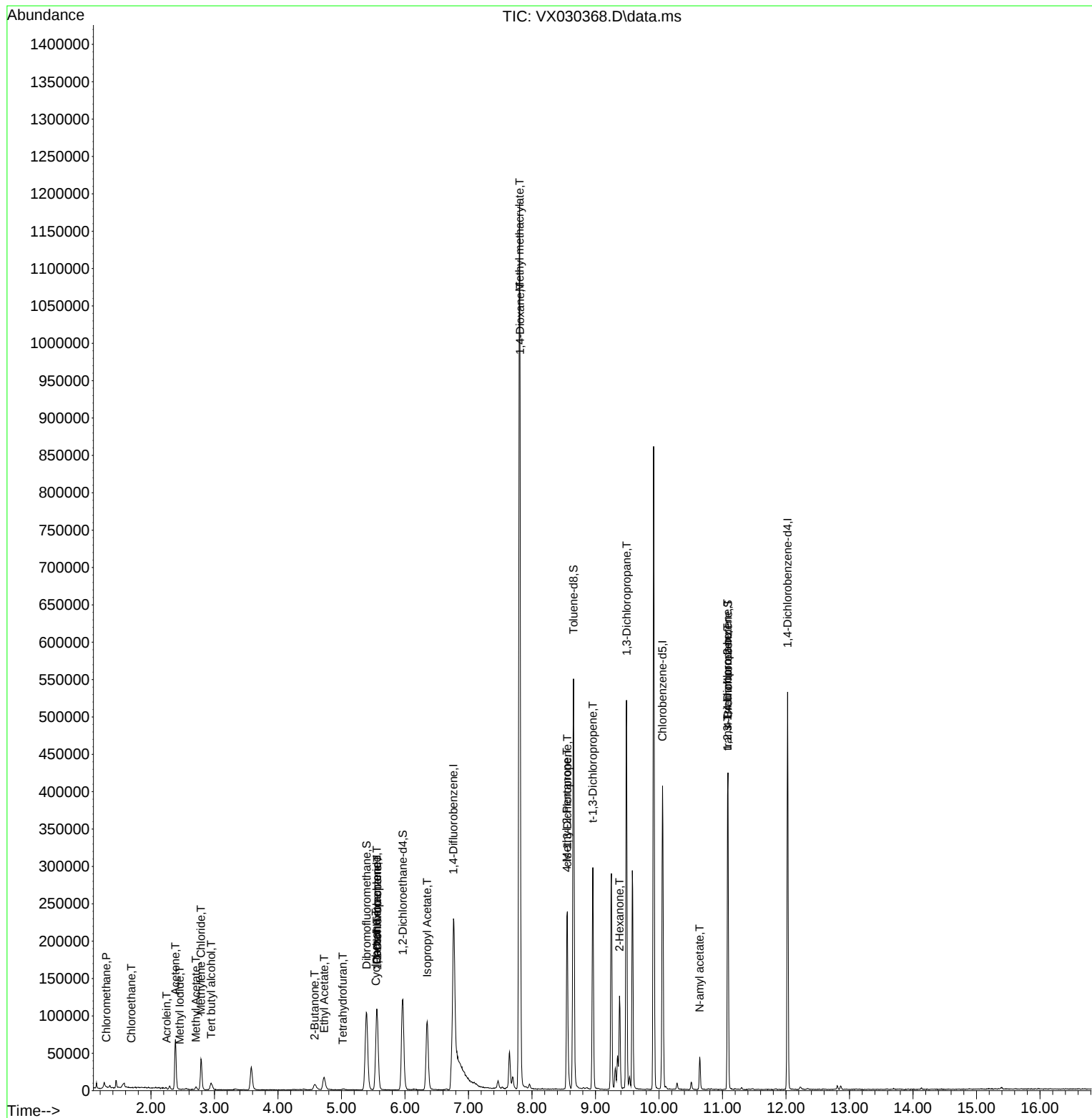
Internal Standards						
1) Pentafluorobenzene	5.556	168	95343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	121357	63.328	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	126.660%#
35) Dibromofluoromethane	5.397	113	91099	52.846	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.700%
50) Toluene-d8	8.653	98	321120	48.101	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.200%
62) 4-Bromofluorobenzene	11.085	95	111487	44.998	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	430	0.278	ug/l #	42
5) Bromomethane	1.618	94	443	Below Cal	#	39
6) Chloroethane	1.691	64	338	0.377	ug/l #	41
10) Methyl Iodide	2.453	142	309	1.727	ug/l #	89
11) Tert butyl alcohol	2.947	59	6945	14.857	ug/l #	82
13) Acrolein	2.246	56	143	1.245	ug/l	95
16) Acetone	2.386	43	72401	73.795	ug/l	90
18) Methyl Acetate	2.709	43	4617	1.591	ug/l	94
20) Methylene Chloride	2.788	84	17118	8.052	ug/l	93
25) 2-Butanone	4.574	43	8585	5.207	ug/l	94
29) Tetrahydrofuran	5.019	42	373	0.336	ug/l #	83
31) Cyclohexane	5.544	56	2691	0.967	ug/l #	60
36) 1,1-Dichloropropene	5.562	75	8630	3.479	ug/l #	48
37) Ethyl Acetate	4.727	43	31677	9.017	ug/l	96
38) Carbon Tetrachloride	5.556	117	10214	4.410	ug/l #	18
43) Isopropyl Acetate	6.348	43	128341	24.920	ug/l	96
48) Methyl methacrylate	7.806	41	104341	41.162	ug/l #	42
49) 1,4-Dioxane	7.812	88	159	2.716	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	90132	25.779	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	725	0.261	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	36317	12.013	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	4417	1.320	ug/l #	42
59) 2-Hexanone	9.378	43	94178	34.142	ug/l #	24
67) Ethyl Benzene	10.201	91	232	Below Cal	#	43
74) N-amyl acetate	10.640	43	12068	3.193	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	60003	22.852	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	60003	68.553	ug/l #	13

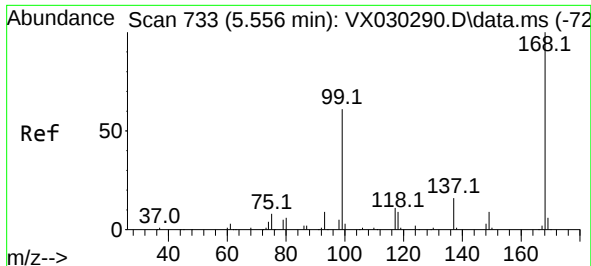
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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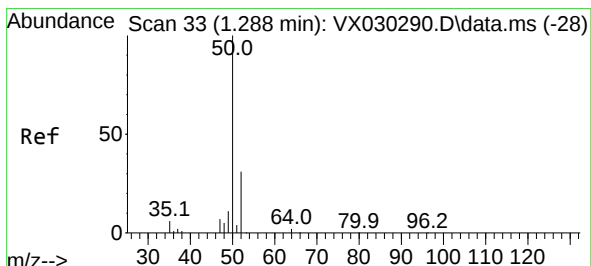
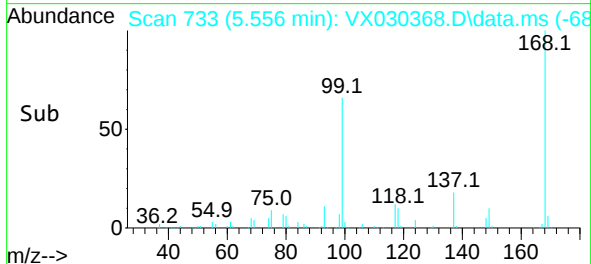
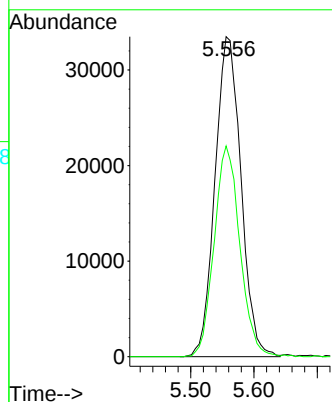
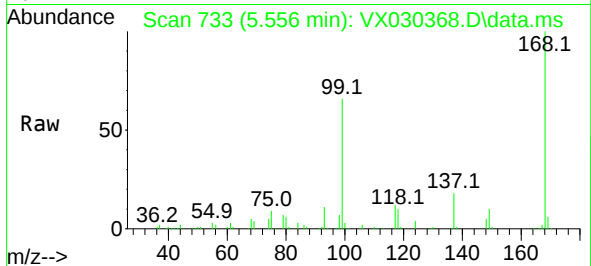




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

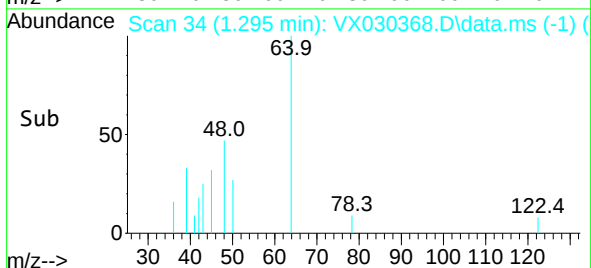
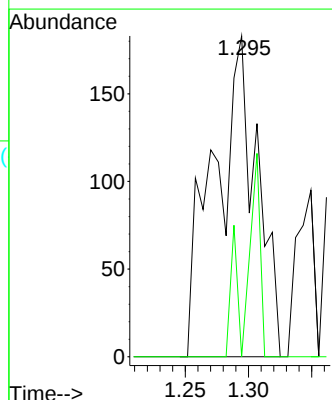
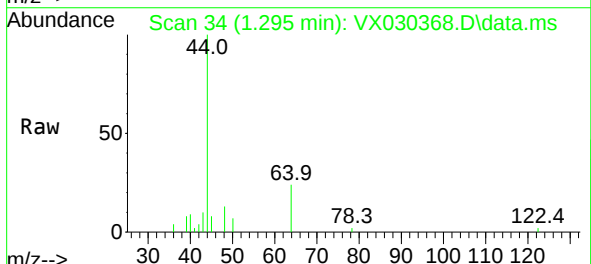
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

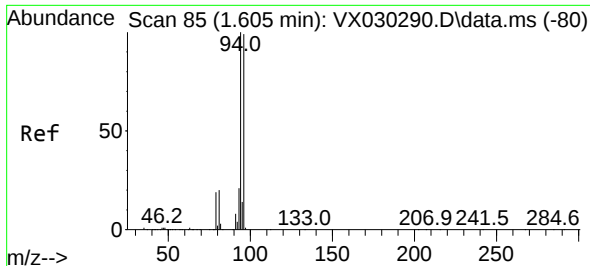
Tgt Ion:168 Resp: 95343
Ion Ratio Lower Upper
168 100
99 65.9 44.0 66.0



#3
Chloromethane
Concen: 0.278 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 50 Resp: 430
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

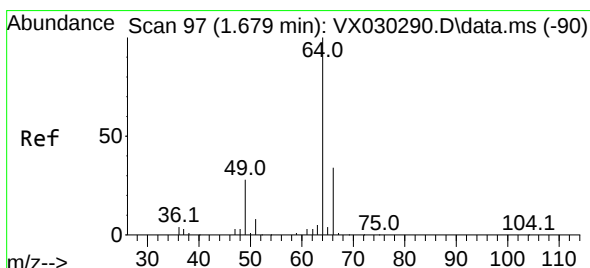
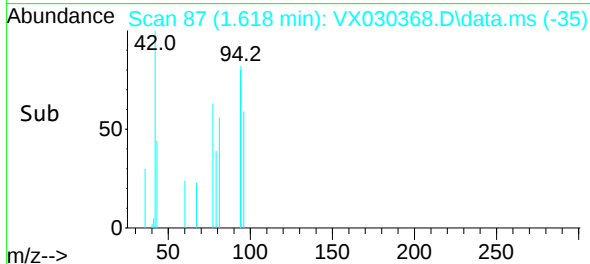
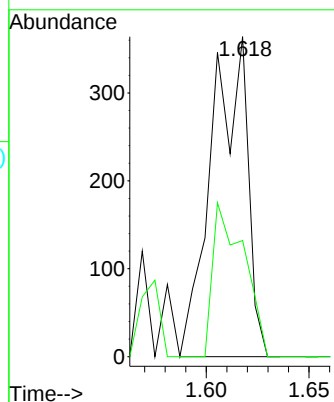
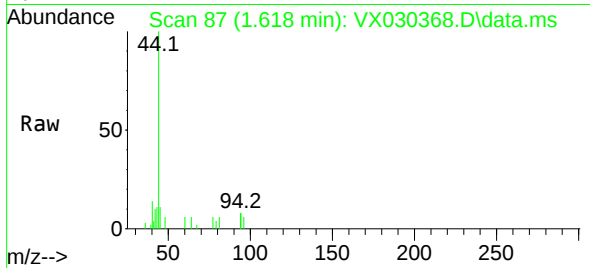




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

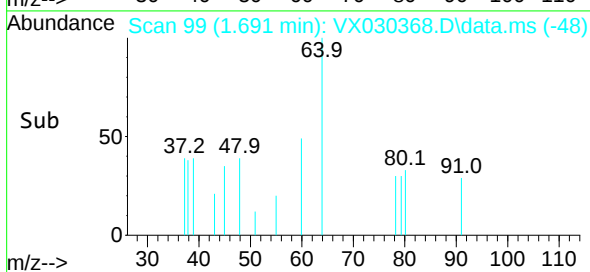
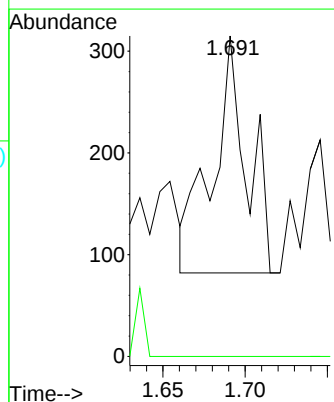
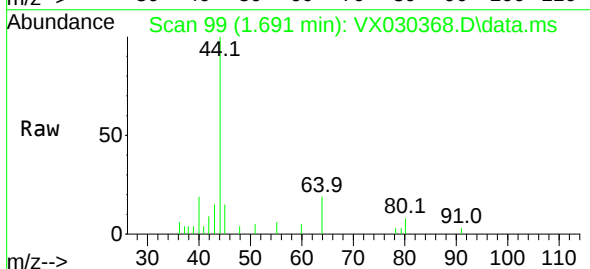
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

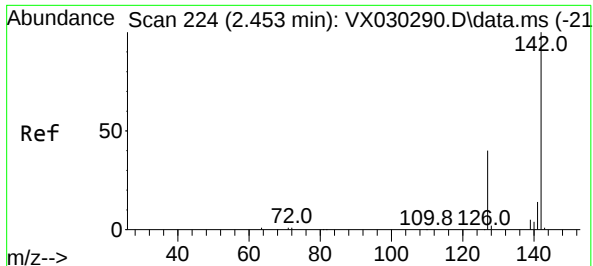
Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 36.3 76.9 115.3#



#6
Chloroethane
Concen: 0.377 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 64 Resp: 338
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

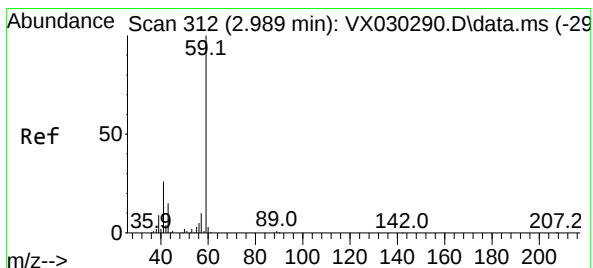
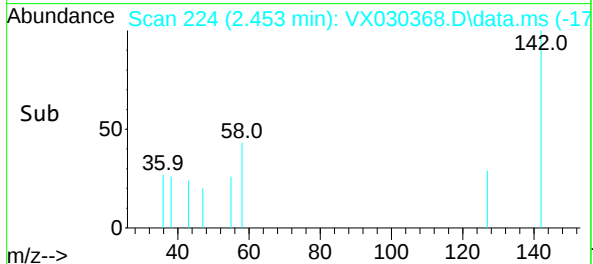
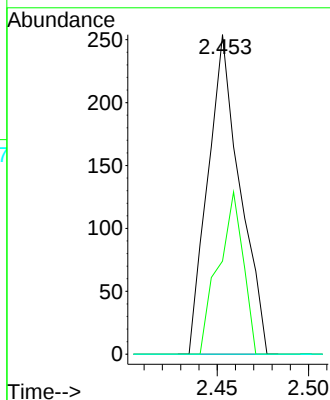
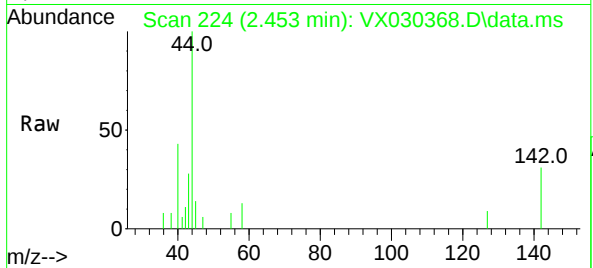




#10
Methyl Iodide
Concen: 1.727 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

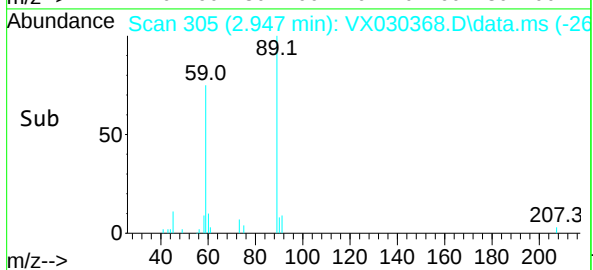
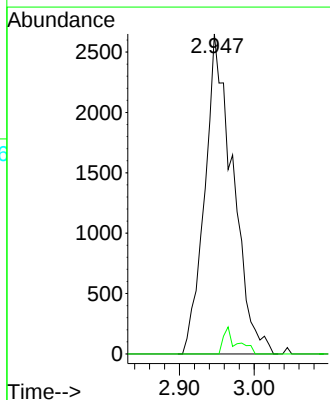
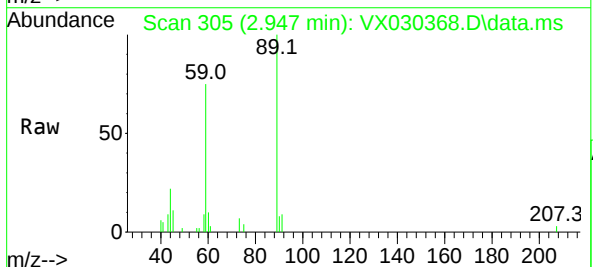
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

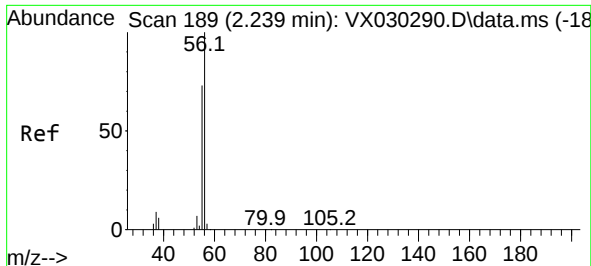
Tgt Ion:142 Resp: 309
Ion Ratio Lower Upper
142 100
127 39.2 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 14.857 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 59 Resp: 6945
Ion Ratio Lower Upper
59 100
57 2.7 7.4 11.2#

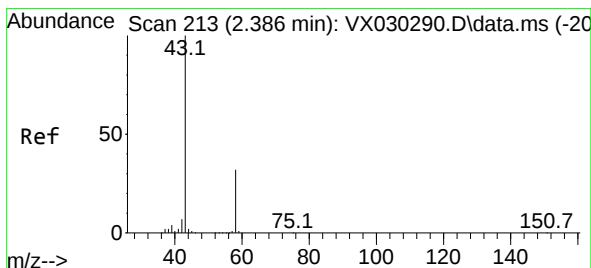
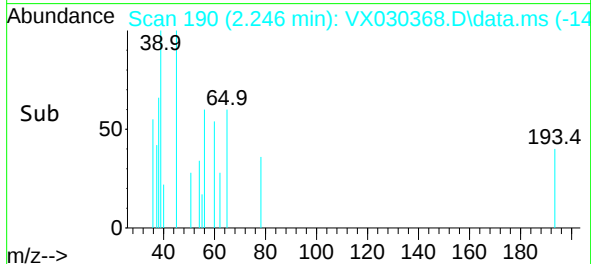
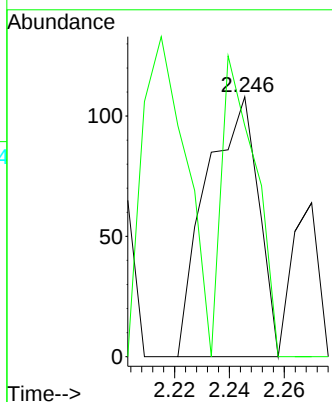
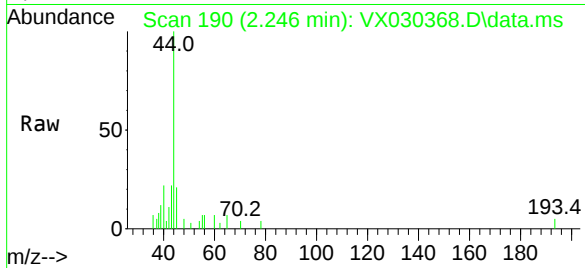




#13
Acrolein
Concen: 1.245 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

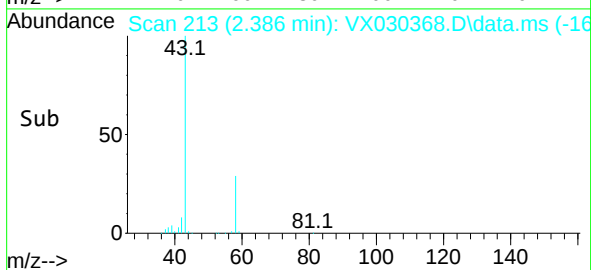
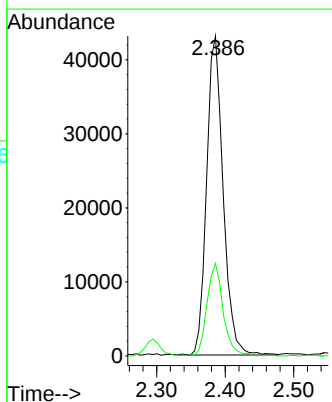
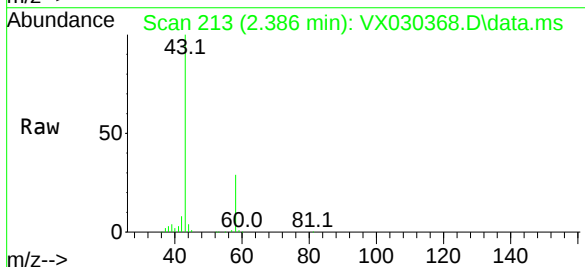
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

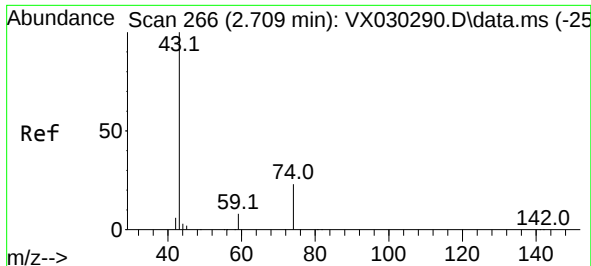
Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 74.8 56.6 84.8



#16
Acetone
Concen: 73.795 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 43 Resp: 72401
Ion Ratio Lower Upper
43 100
58 29.0 27.7 41.5

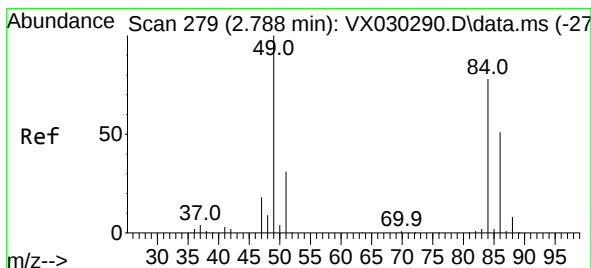
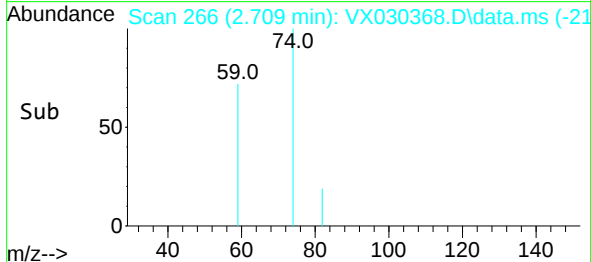
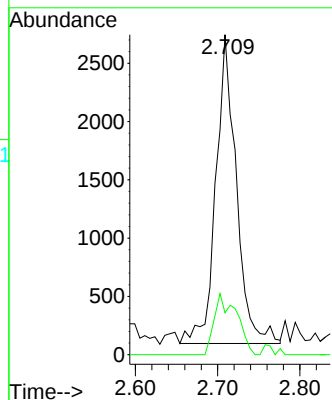
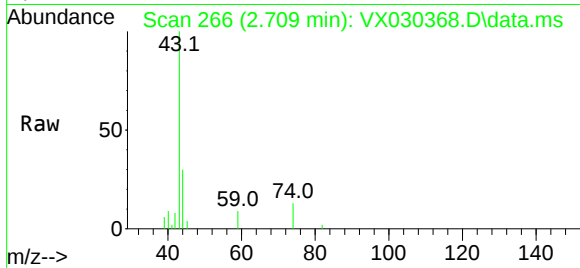




#18
Methyl Acetate
Concen: 1.591 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

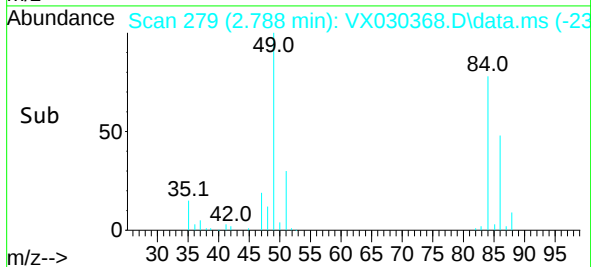
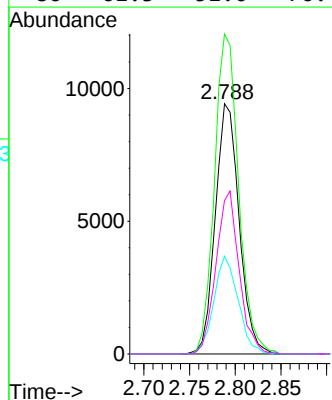
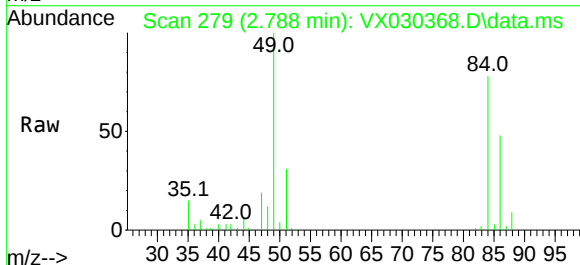
Instrument :
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ClientSampleId :
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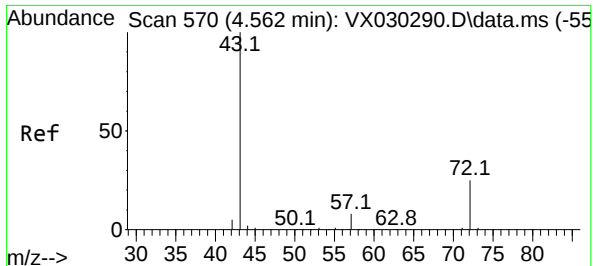
Tgt Ion: 43 Resp: 4617
Ion Ratio Lower Upper
43 100
74 21.4 19.4 29.2



#20
Methylene Chloride
Concen: 8.052 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 84 Resp: 17118
Ion Ratio Lower Upper
84 100
49 127.9 93.8 140.6
51 39.0 29.4 44.0
86 61.3 51.0 76.4





#25

2-Butanone

Concen: 5.207 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

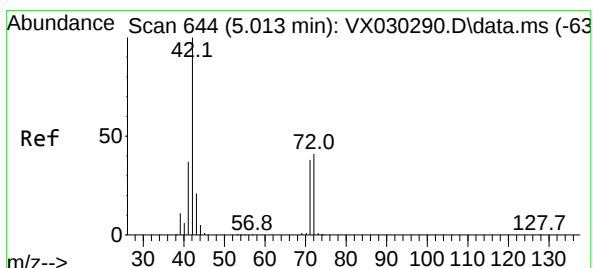
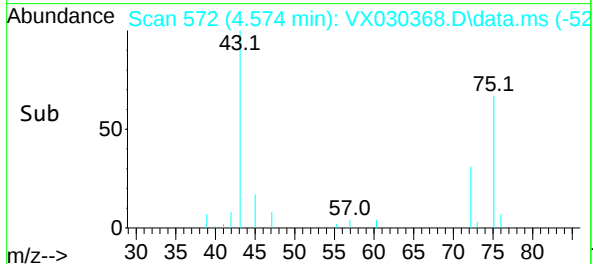
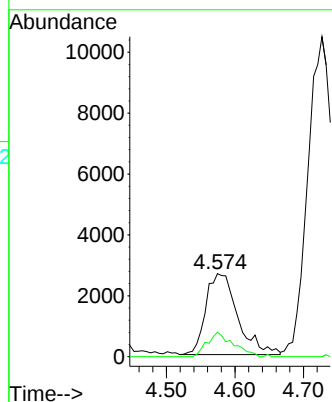
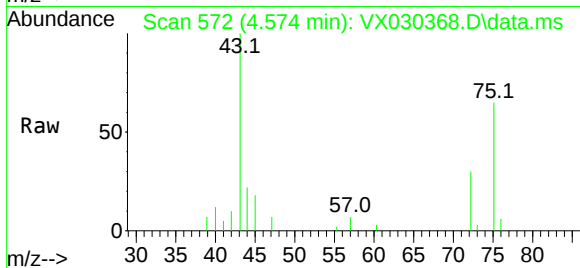
TP3-0729

Tgt Ion: 43 Resp: 8585

Ion Ratio Lower Upper

43 100

72 30.4 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

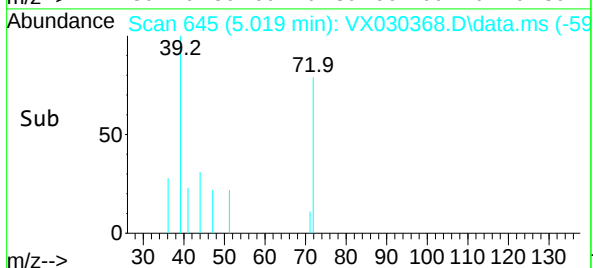
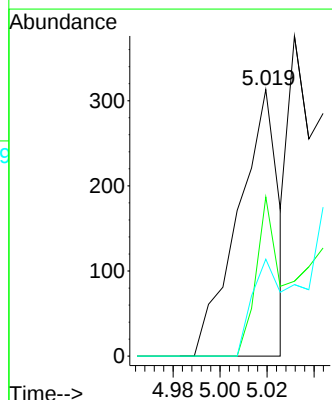
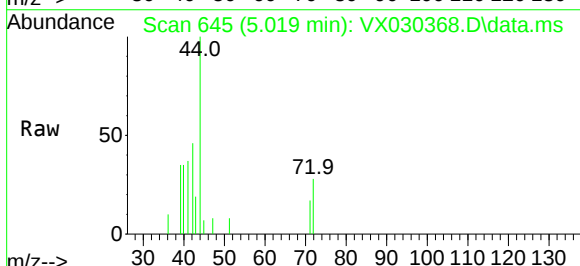
Tgt Ion: 42 Resp: 373

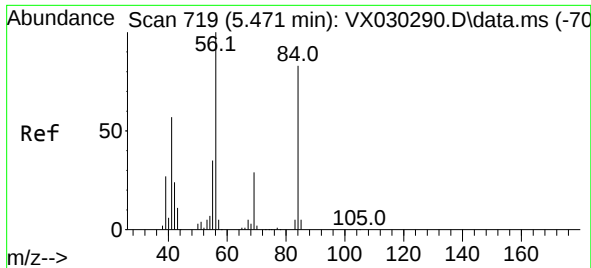
Ion Ratio Lower Upper

42 100

72 40.5 36.5 54.7

71 25.5 33.9 50.9#

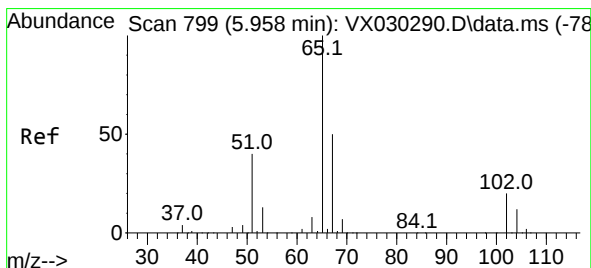
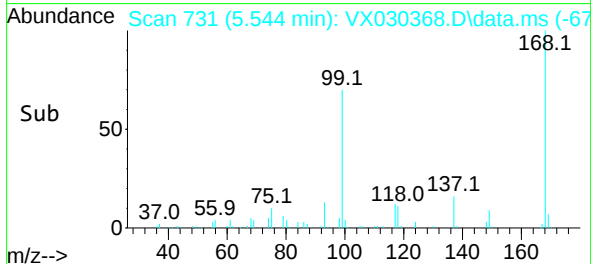
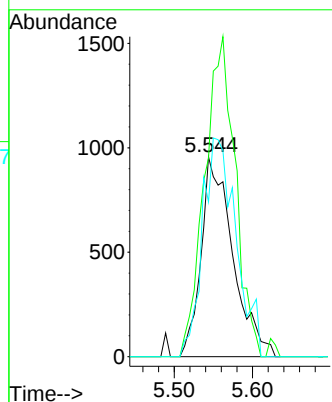
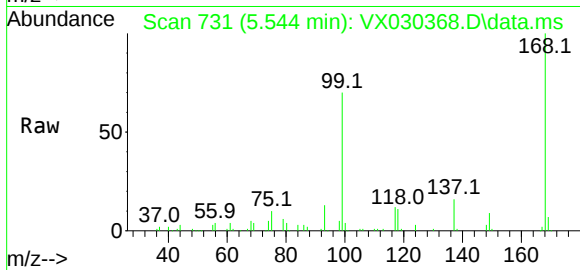




#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

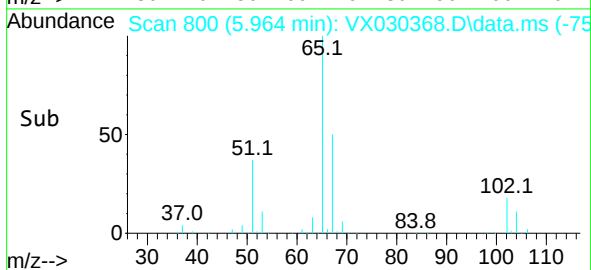
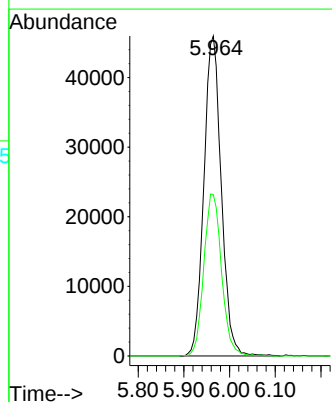
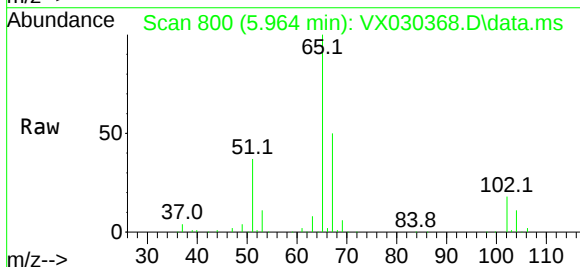
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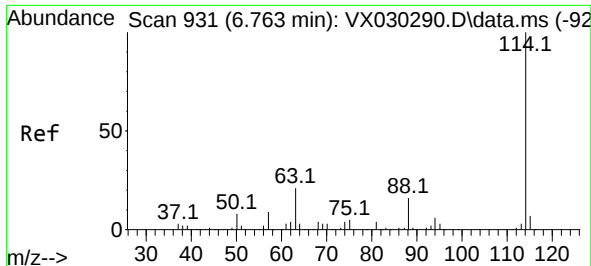
Tgt Ion: 56 Resp: 2691
Ion Ratio Lower Upper
56 100
69 99.3 25.4 38.0#
84 77.4 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 63.328 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 65 Resp: 121357
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.6

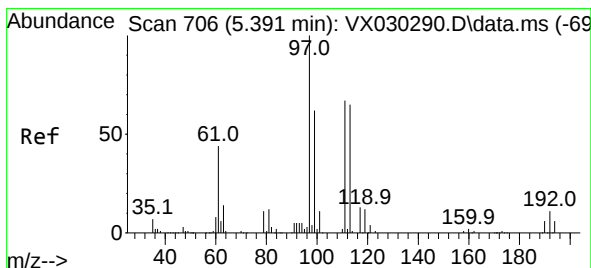
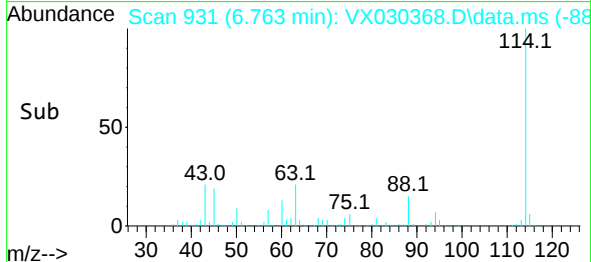
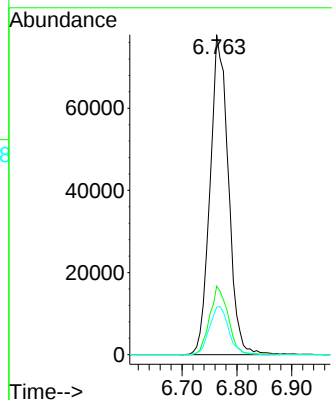
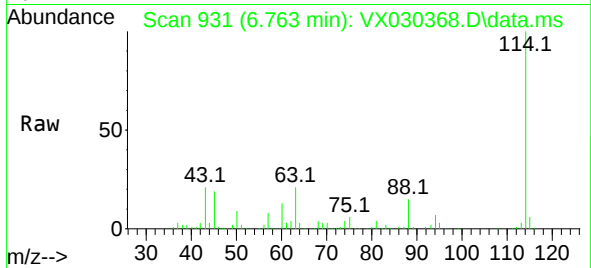




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

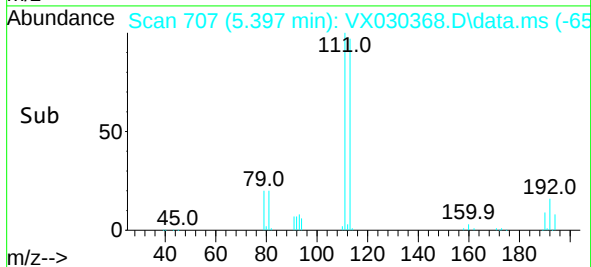
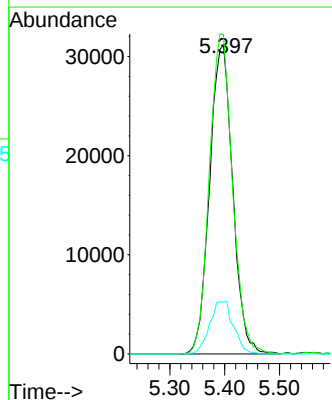
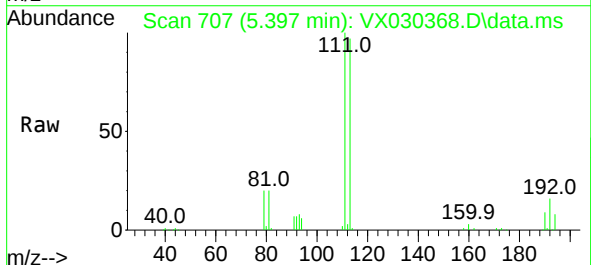
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

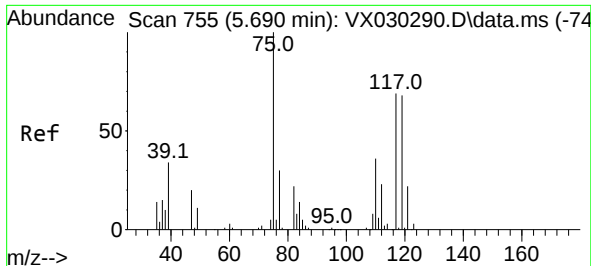
Tgt Ion:114 Resp: 180330
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.4
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.846 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion:113 Resp: 91099
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 17.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.479 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

TP3-0729

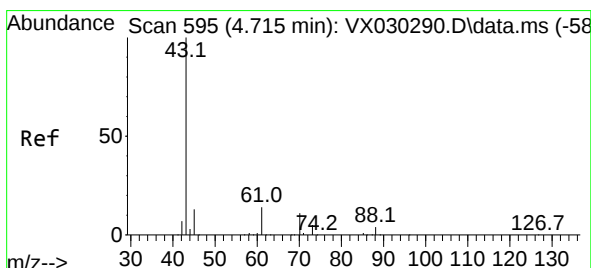
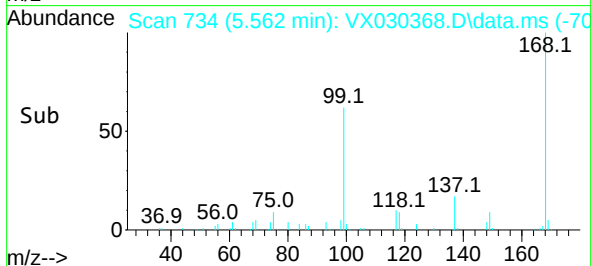
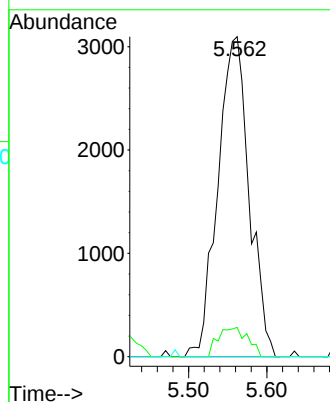
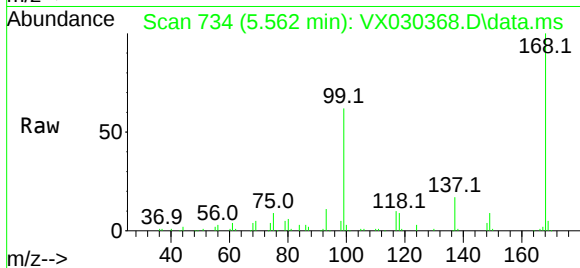
Tgt Ion: 75 Resp: 8630

Ion Ratio Lower Upper

75 100

110 8.6 19.3 57.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 9.017 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.007 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

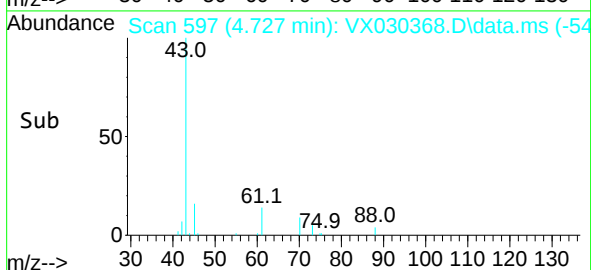
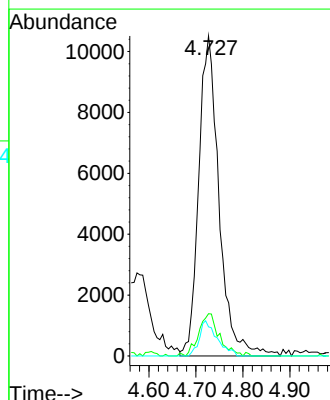
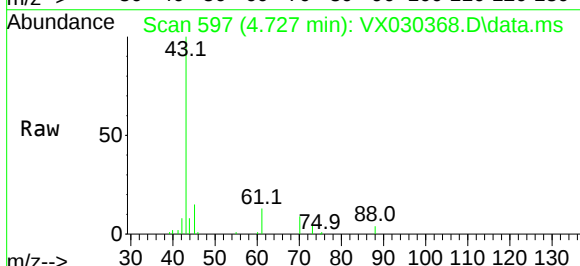
Tgt Ion: 43 Resp: 31677

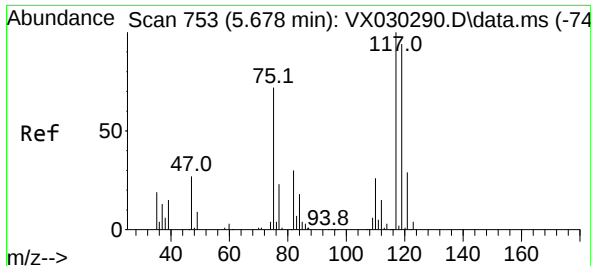
Ion Ratio Lower Upper

43 100

61 13.1 11.7 17.5

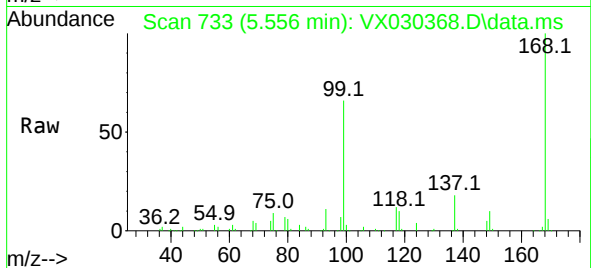
70 9.5 9.3 13.9



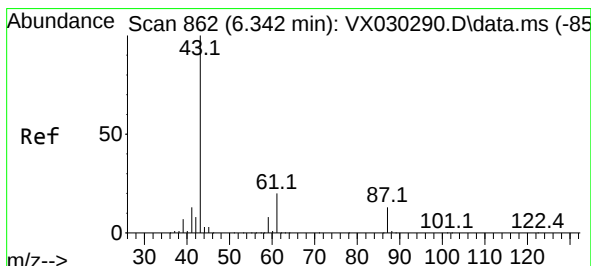
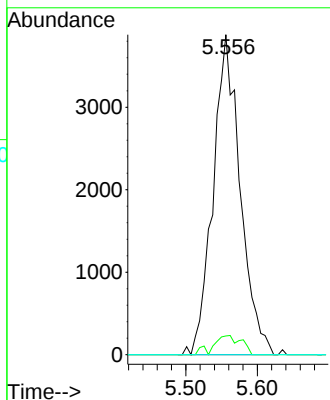
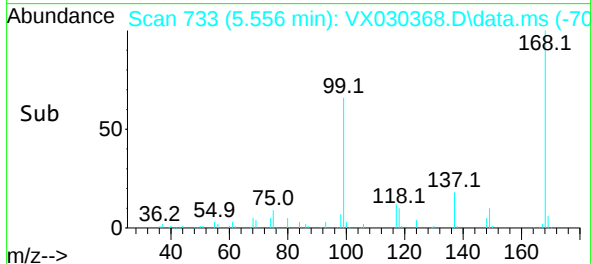


#38
Carbon Tetrachloride
Concen: 4.410 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

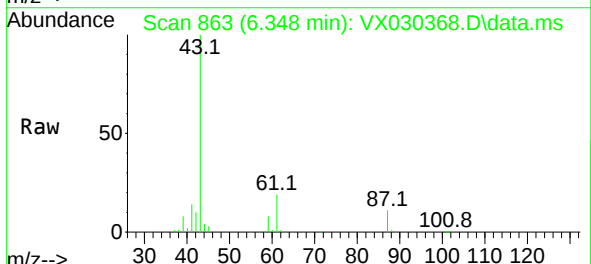
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729



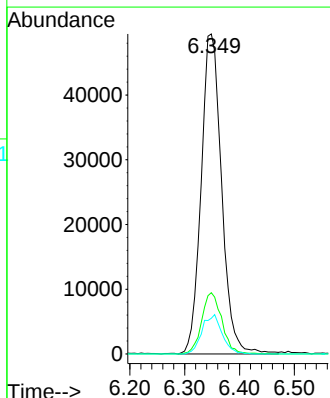
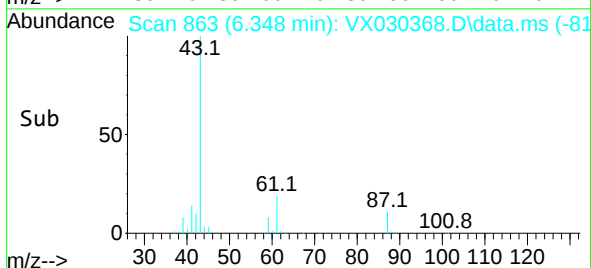
Tgt Ion:117 Resp: 10214
Ion Ratio Lower Upper
117 100
119 5.9 74.1 111.1#
121 0.0 25.8 38.8#

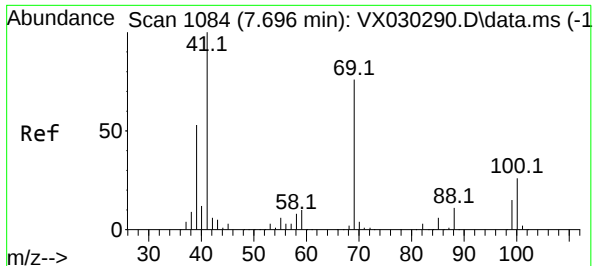


#43
Isopropyl Acetate
Concen: 24.920 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13



Tgt Ion: 43 Resp: 128341
Ion Ratio Lower Upper
43 100
61 18.8 16.5 24.7
87 12.1 11.1 16.7

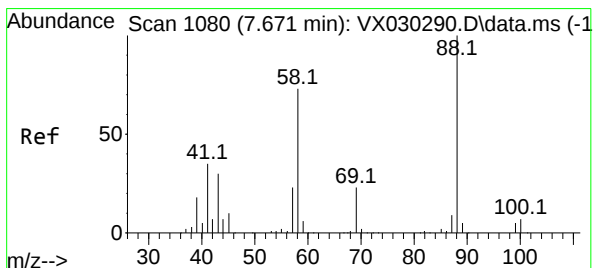
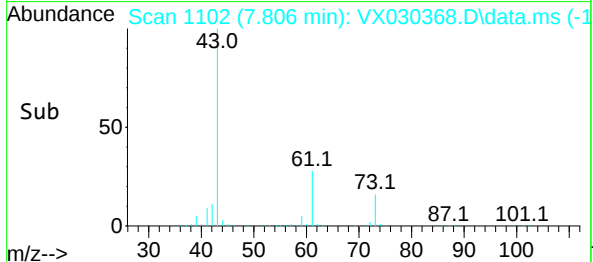
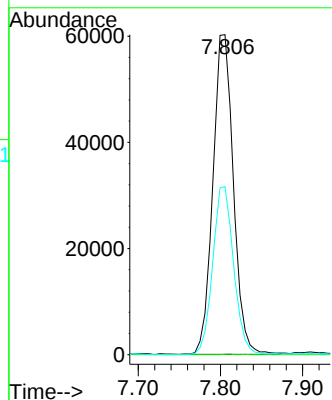
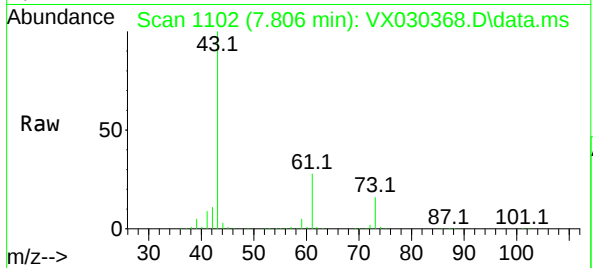




#48
Methyl methacrylate
Concen: 41.162 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.111 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

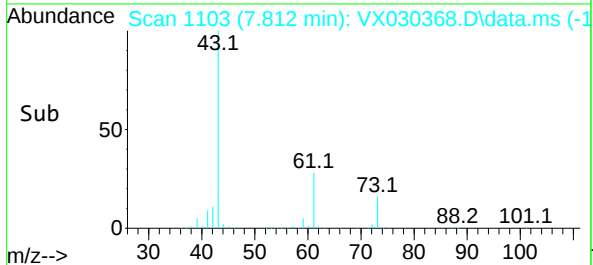
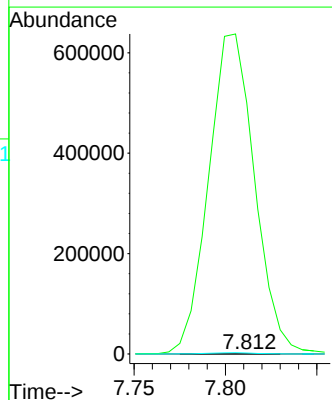
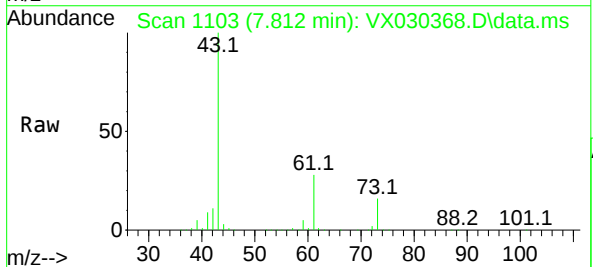
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

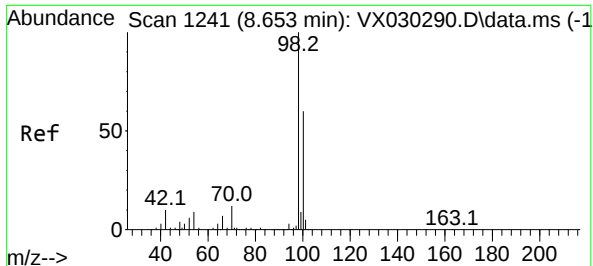
Tgt Ion: 41 Resp: 104341
Ion Ratio Lower Upper
41 100
69 0.1 68.8 103.2#
39 53.7 44.6 66.8



#49
1,4-Dioxane
Concen: 2.716 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 706481.8 23.8 35.8#
58 2780.5 53.8 80.6#

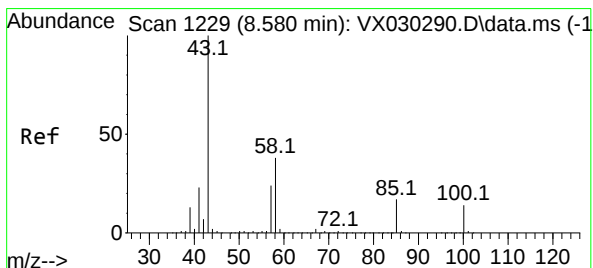
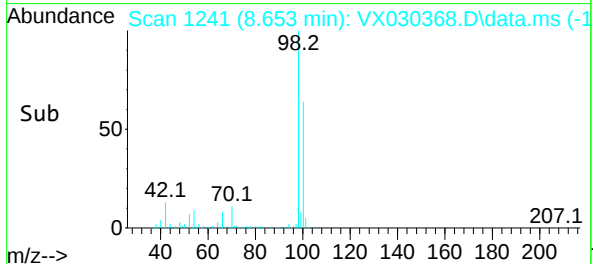
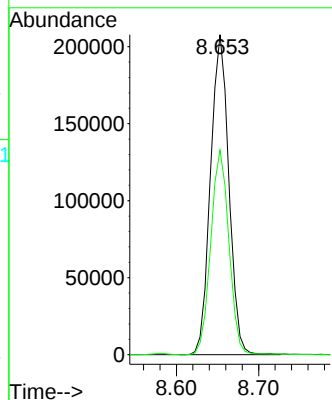
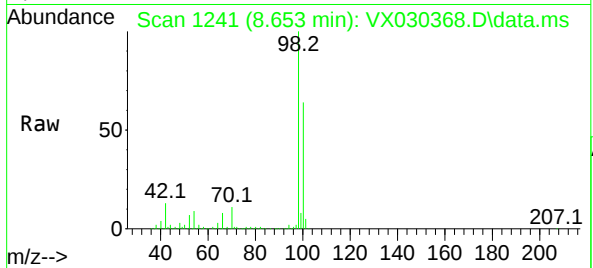




#50
Toluene-d8
Concen: 48.101 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

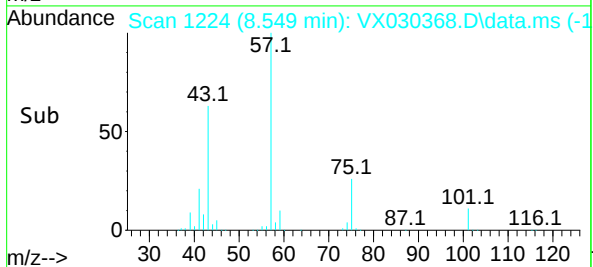
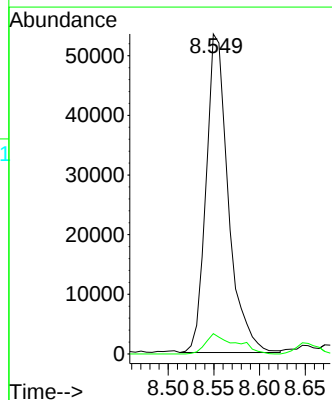
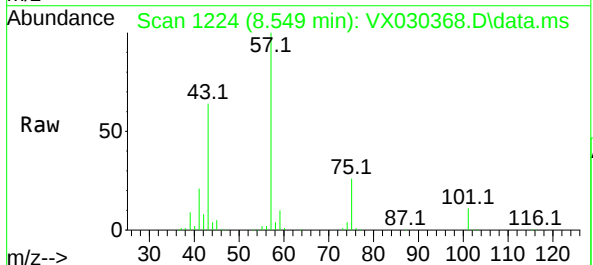
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

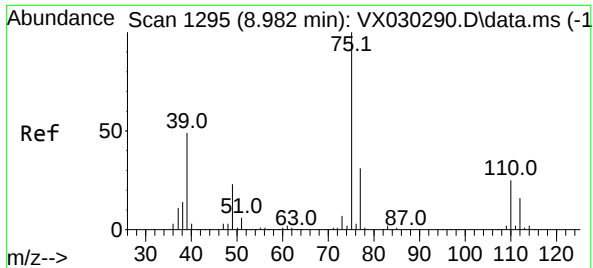
Tgt Ion: 98 Resp: 321120
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 25.779 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 43 Resp: 90132
Ion Ratio Lower Upper
43 100
58 8.7 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.261 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

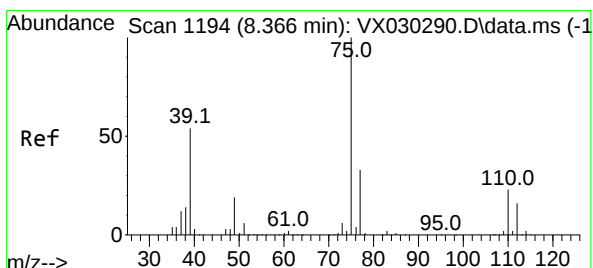
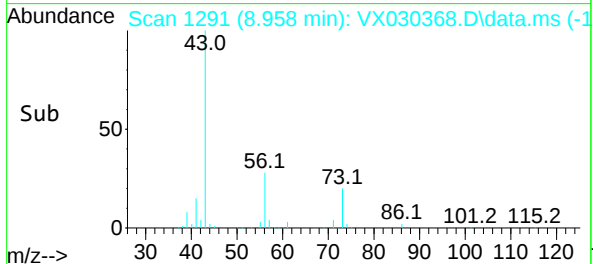
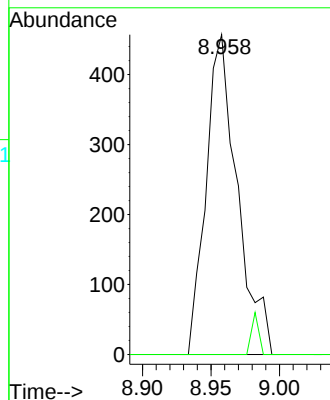
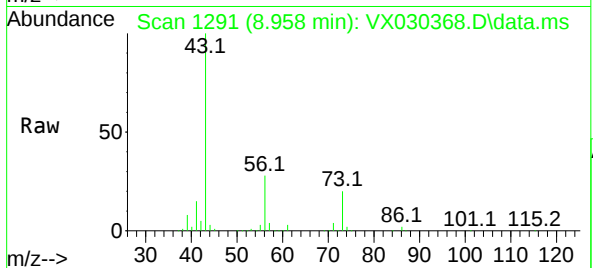
TP3-0729

Tgt Ion: 75 Resp: 725

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 12.013 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

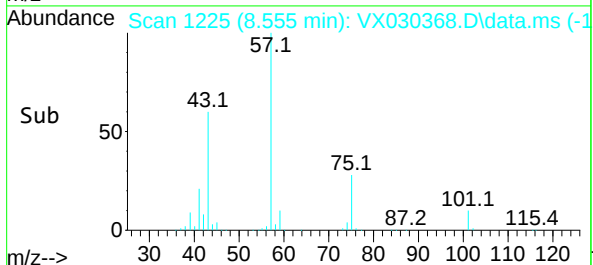
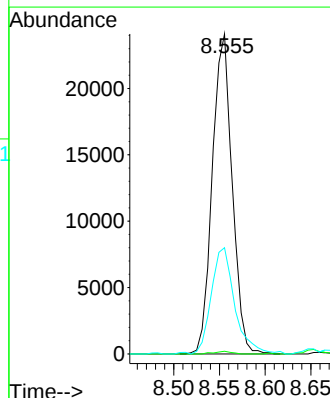
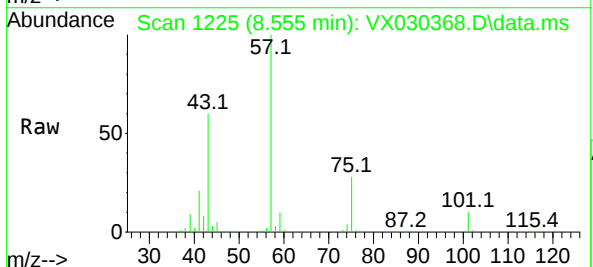
Tgt Ion: 75 Resp: 36317

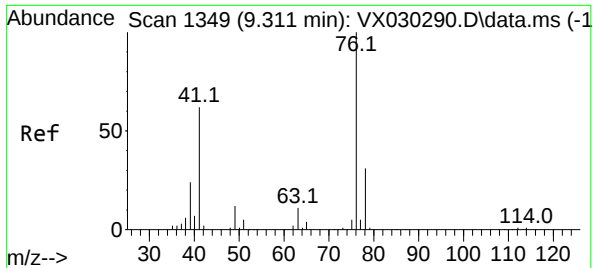
Ion Ratio Lower Upper

75 100

77 0.8 25.0 37.4#

39 32.7 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.320 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX030368.D

Acq: 03 Aug 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

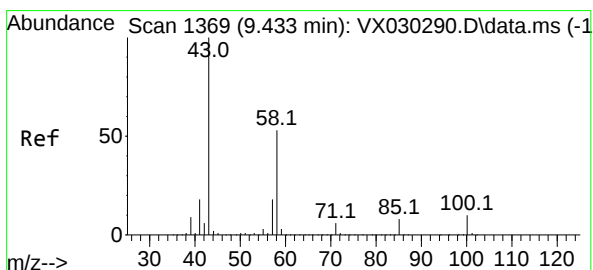
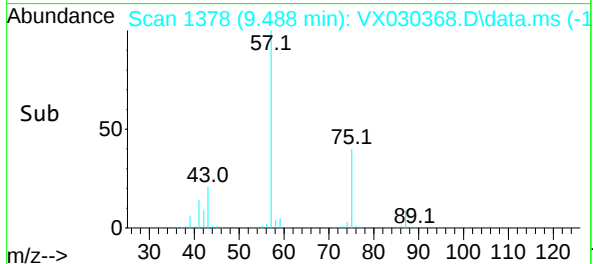
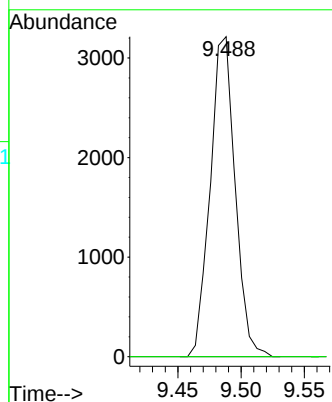
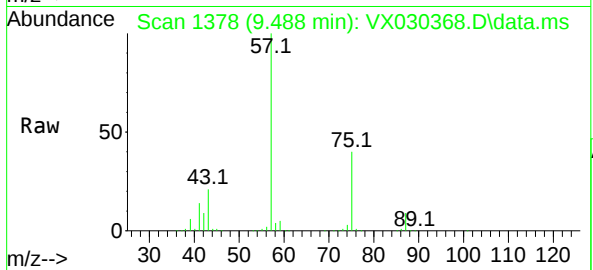
TP3-0729

Tgt Ion: 76 Resp: 4417

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 34.142 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX030368.D

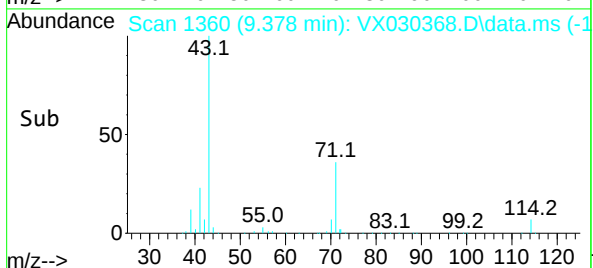
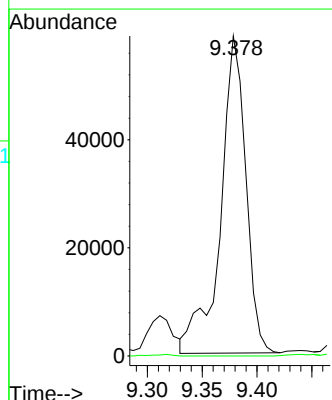
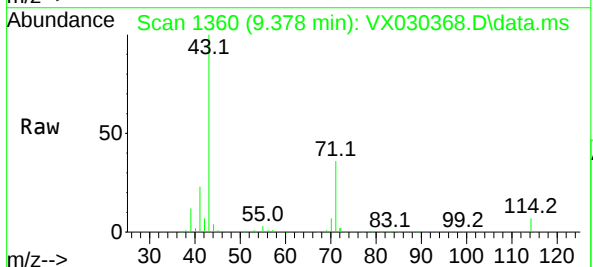
Acq: 03 Aug 2022 14:13

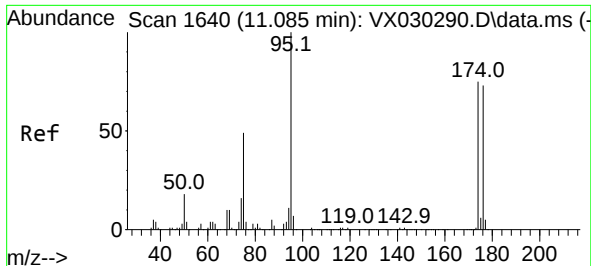
Tgt Ion: 43 Resp: 94178

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

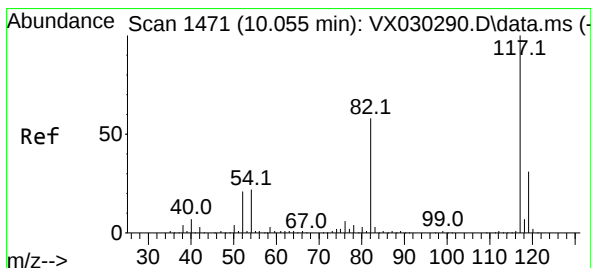
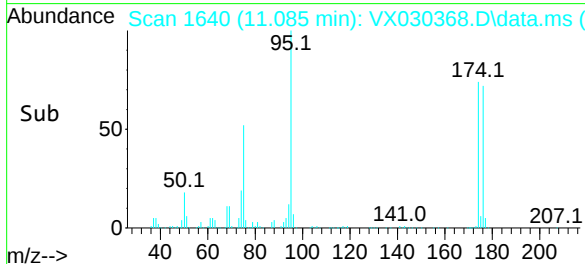
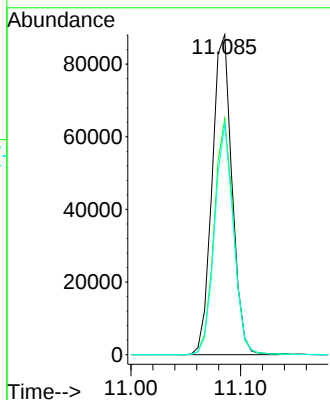
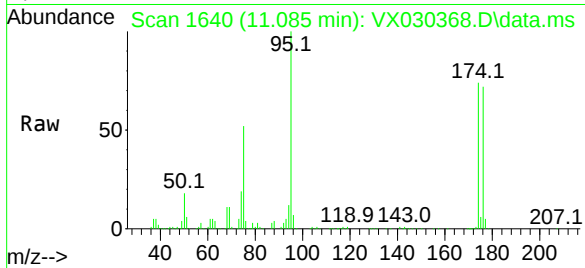




#62
4-Bromofluorobenzene
Concen: 44.998 ug/l
RT: 11.085 min Scan# 111487
Delta R.T. 0.000 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

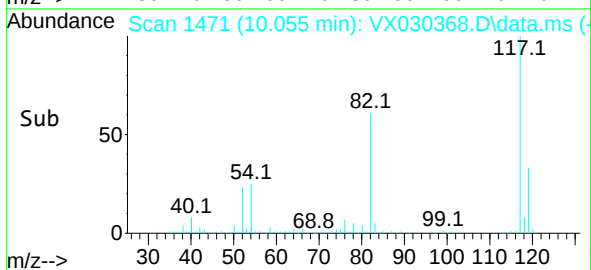
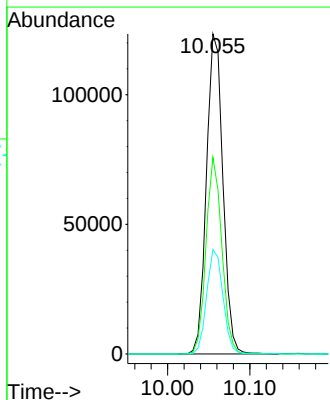
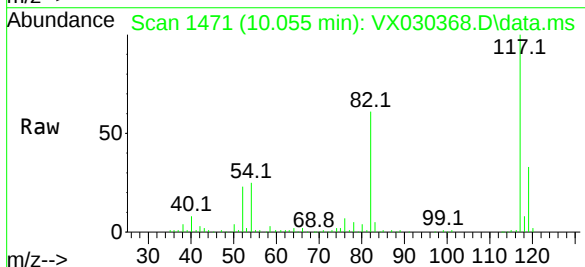
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

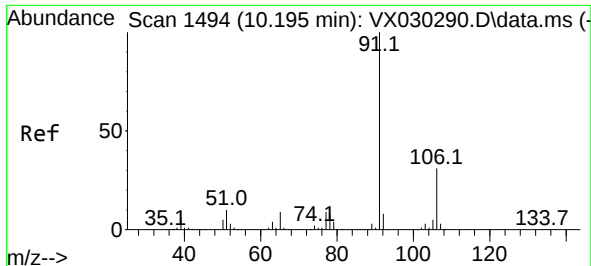
Tgt Ion: 95 Resp: 111487
Ion Ratio Lower Upper
95 100
174 71.6 0.0 149.0
176 68.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 117 Resp: 171429
Ion Ratio Lower Upper
117 100
82 61.4 42.7 64.1
119 32.6 25.4 38.2

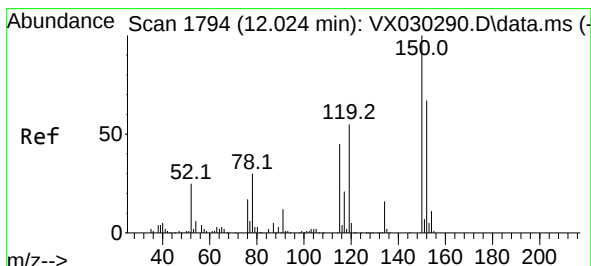
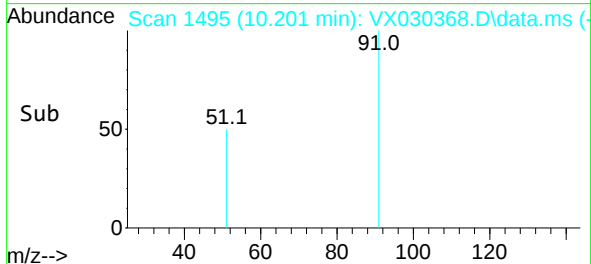
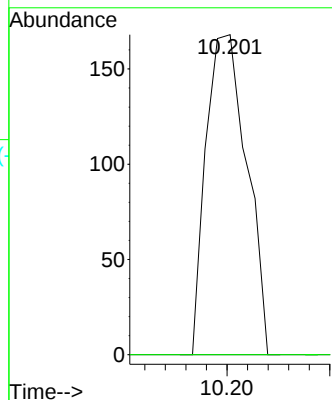
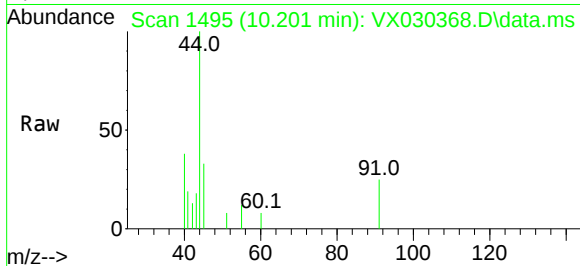




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

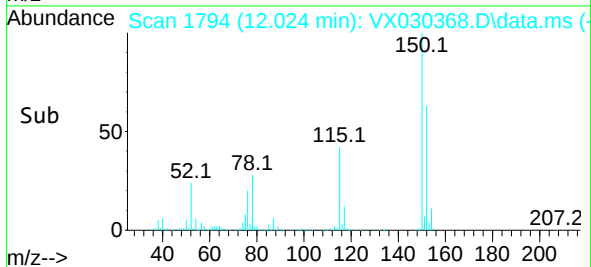
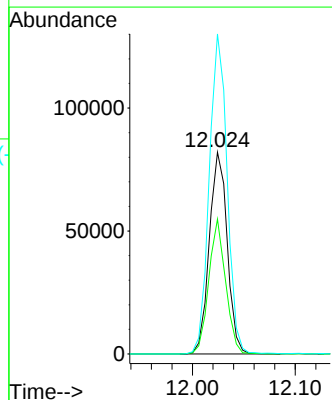
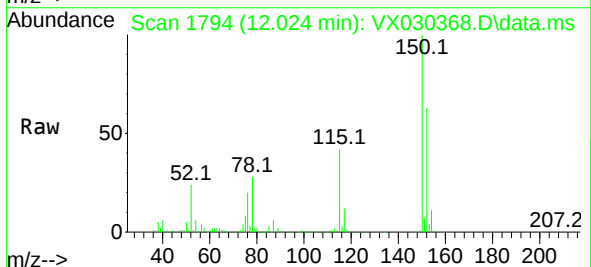
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

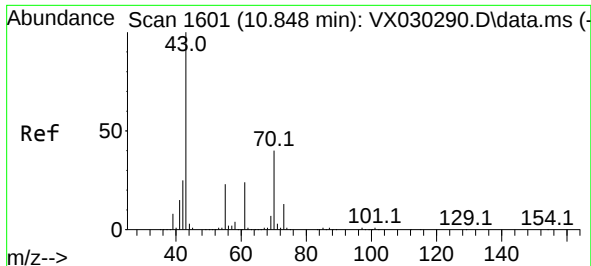
Tgt Ion: 91 Resp: 232
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion:152 Resp: 99614
Ion Ratio Lower Upper
152 100
115 62.9 40.5 121.5
150 158.2 0.0 347.0

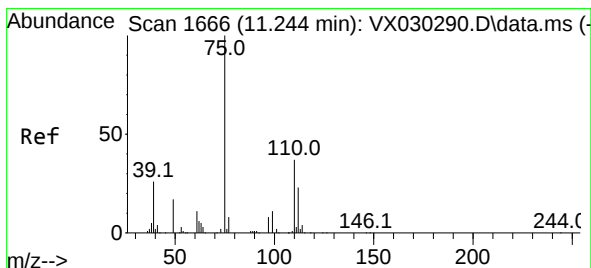
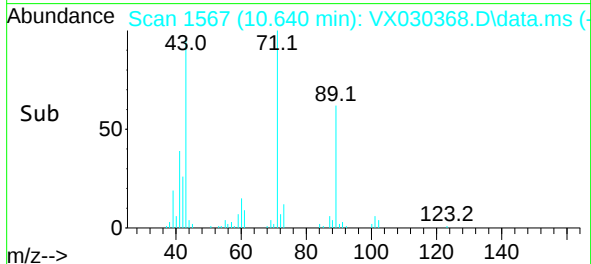
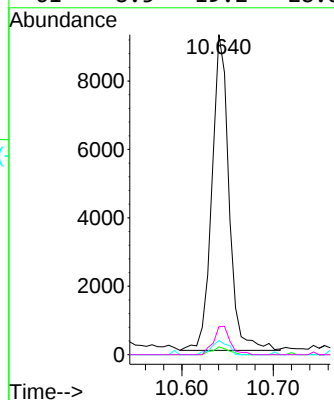
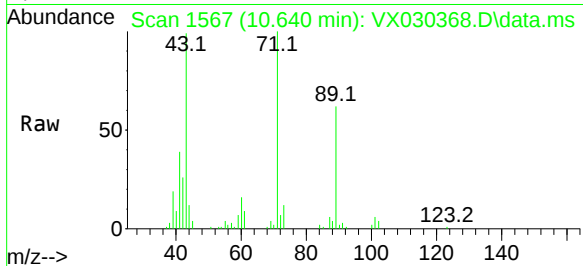




#74
N-ethyl acetate
Concen: 3.193 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.207 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

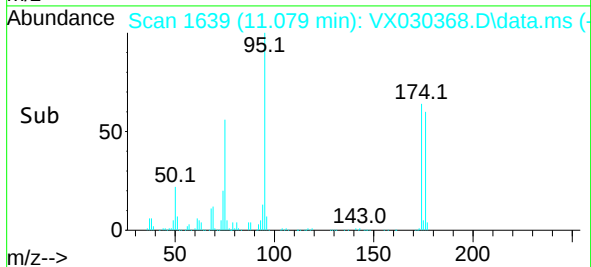
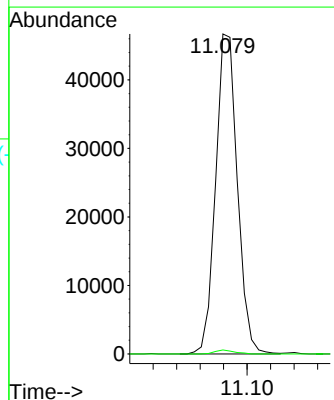
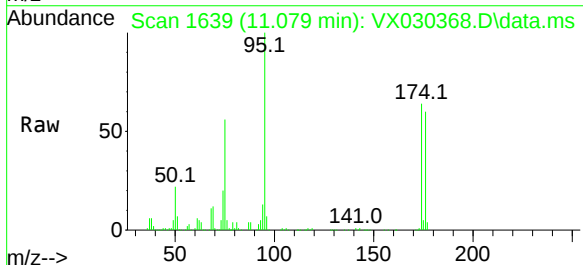
Instrument :
MSVOA_X
ClientSampleId :
TP3-0729

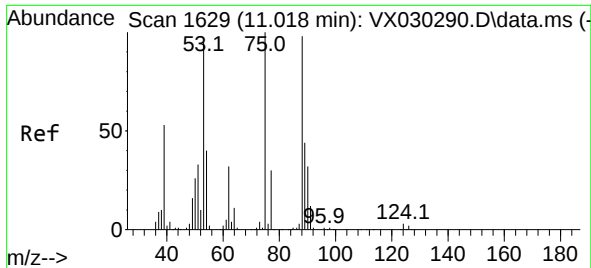
Tgt Ion: 43	Resp:	12068
Ion	Ratio	Lower Upper
43	100	
70	2.3	32.3 48.5#
55	4.4	18.4 27.6#
61	8.5	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 22.852 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX030368.D
Acq: 03 Aug 2022 14:13

Tgt Ion: 75	Resp:	60003
Ion	Ratio	Lower Upper
75	100	
77	1.1	19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.553 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX030368.D
 Acq: 03 Aug 2022 14:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3-0729

Tgt Ion: 75 Resp: 60003
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.1 34.8 52.2#

