

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032032.D
 Acq On : 11 Oct 2022 13:26
 Operator : JC/MD
 Sample : N5046-04ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 R-4

Quant Time: Oct 11 16:24:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

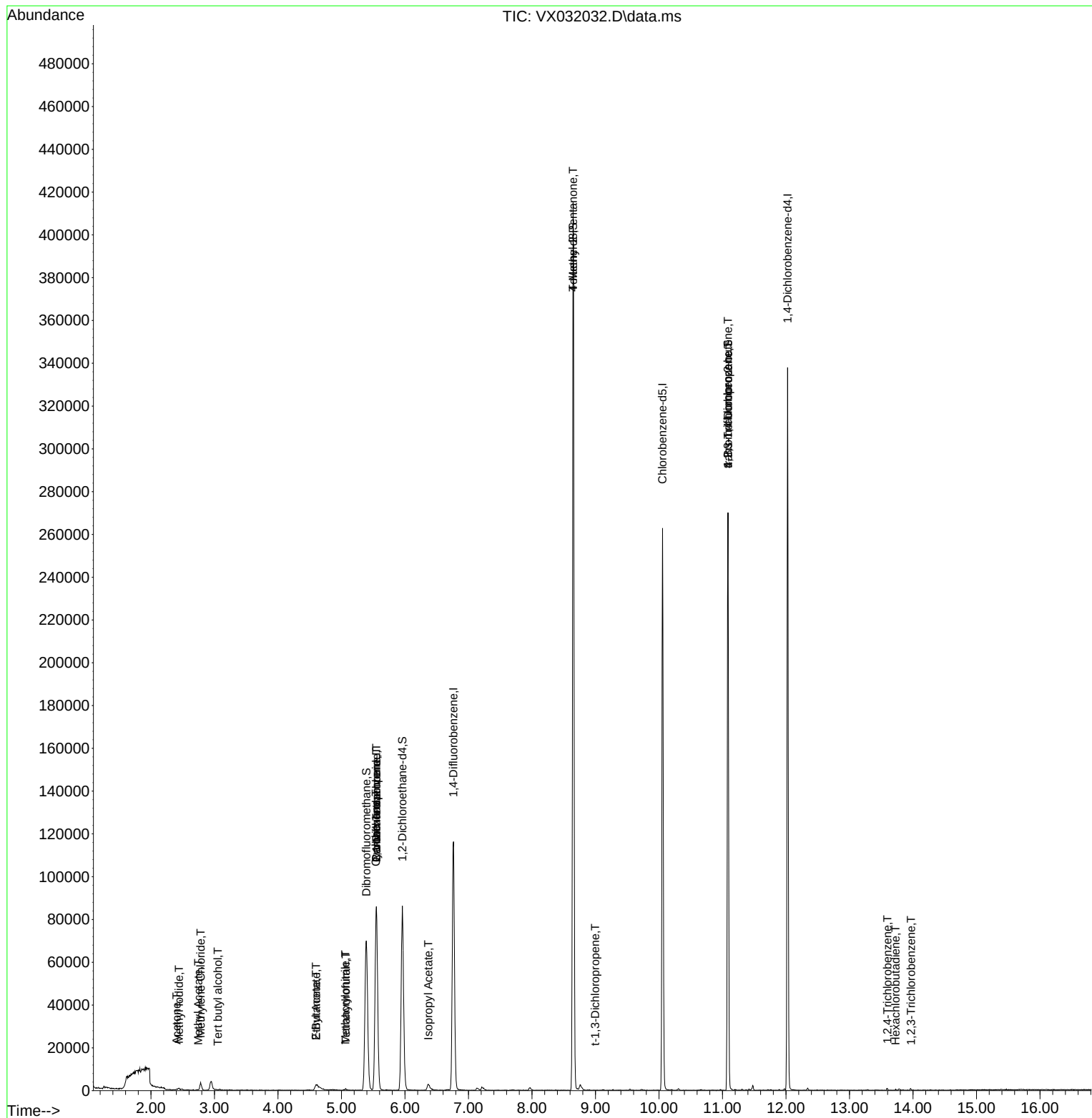
Internal Standards						
1) Pentafluorobenzene	5.550	168	79957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	120966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81559	49.391	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.780%		
35) Dibromofluoromethane	5.391	113	62021	45.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.600%		
50) Toluene-d8	8.647	98	241196	48.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.900%		
62) 4-Bromofluorobenzene	11.085	95	72938	41.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.740%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	895	Below Cal		90
10) Methyl Iodide	2.441	142	794	3.312 ug/l #		87
11) Tert butyl alcohol	3.050	59	123	0.599 ug/l #		73
16) Acetone	2.404	43	578	1.030 ug/l #		45
18) Methyl Acetate	2.745	43	524	0.283 ug/l #		52
20) Methylene Chloride	2.782	84	1598	1.084 ug/l		95
25) 2-Butanone	4.599	43	3445	3.927 ug/l		92
29) Tetrahydrofuran	5.068	42	625	1.104 ug/l #		52
31) Cyclohexane	5.544	56	1973	1.000 ug/l #		36
36) 1,1-Dichloropropene	5.550	75	6353	3.499 ug/l #		52
37) Ethyl Acetate	4.599	43	3445	2.015 ug/l #		68
38) Carbon Tetrachloride	5.550	117	8580	4.622 ug/l #		17
41) Methacrylonitrile	5.062	41	182	0.205 ug/l #		37
43) Isopropyl Acetate	6.367	43	1492	0.575 ug/l #		61
51) 4-Methyl-2-Pentanone	8.647	43	1299	0.756 ug/l #		1
53) t-1,3-Dichloropropene	8.994	75	45	1.231 ug/l #		44
76) 1,2,3-Trichloropropane	11.085	75	39872	29.551 ug/l #		37
81) trans-1,4-Dichloro-2-b...	11.085	75	39872	100.918 ug/l #		11
93) 1,2,4-Trichlorobenzene	13.597	180	292	0.208 ug/l		76
94) Hexachlorobutadiene	13.725	225	175	0.308 ug/l #		37
96) 1,2,3-Trichlorobenzene	13.969	180	319	0.224 ug/l #		75

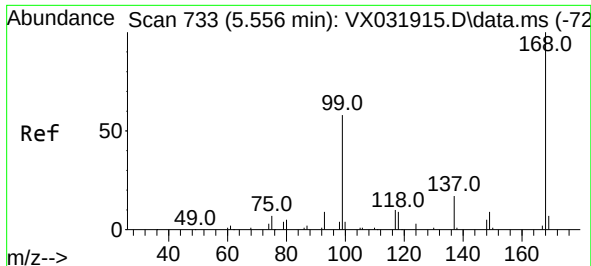
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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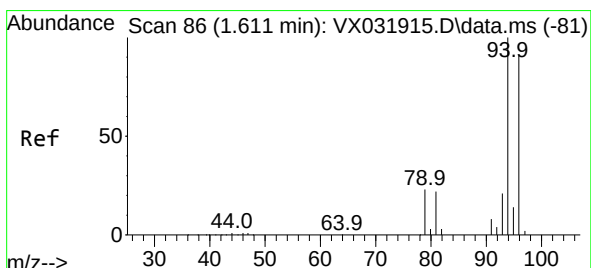
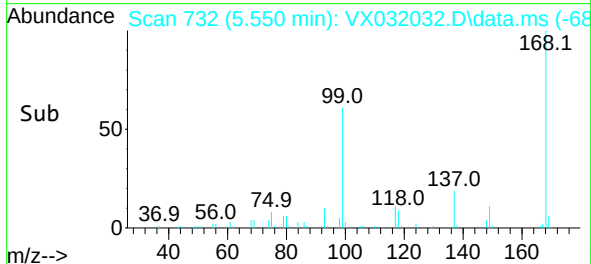
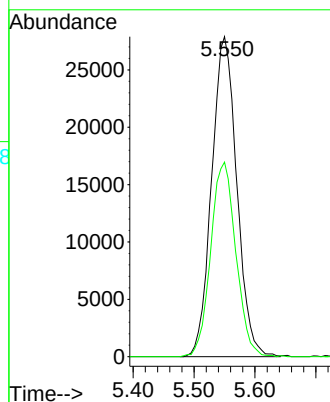
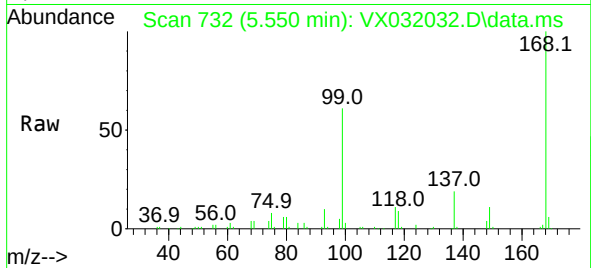




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

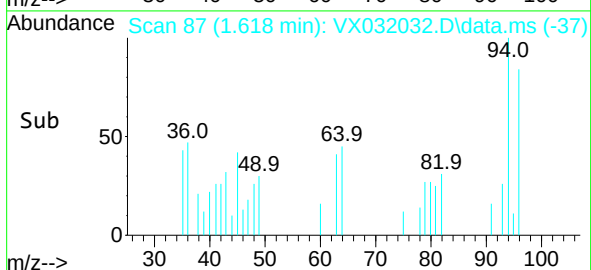
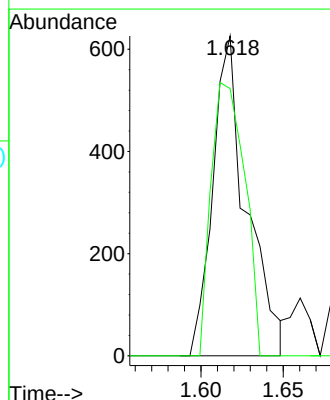
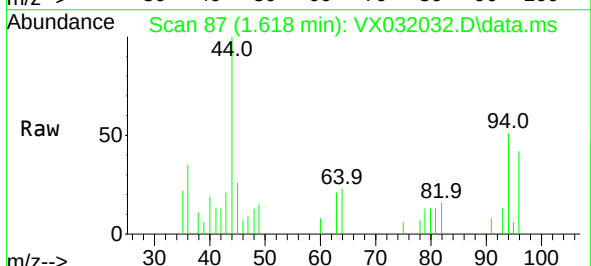
Instrument :
MSVOA_X
ClientSampleId :
R-4

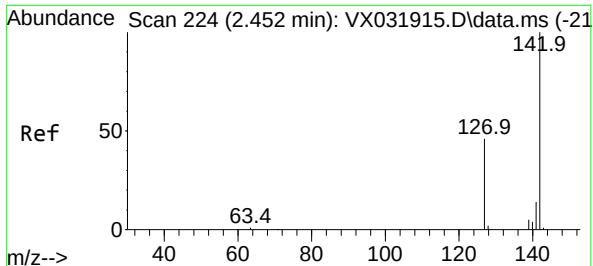
Tgt Ion:168 Resp: 79957
Ion Ratio Lower Upper
168 100
99 60.8 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion: 94 Resp: 895
Ion Ratio Lower Upper
94 100
96 83.5 74.4 111.6

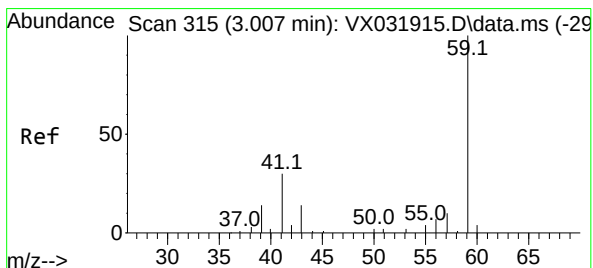
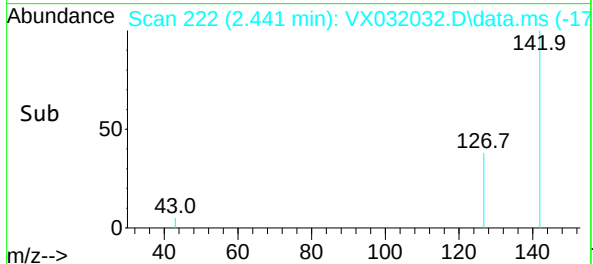
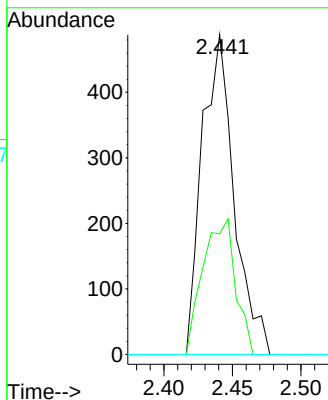
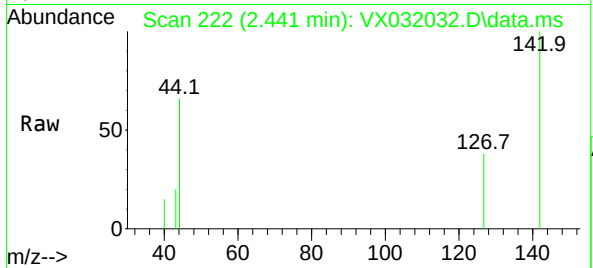




#10
Methyl Iodide
Concen: 3.312 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.011 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

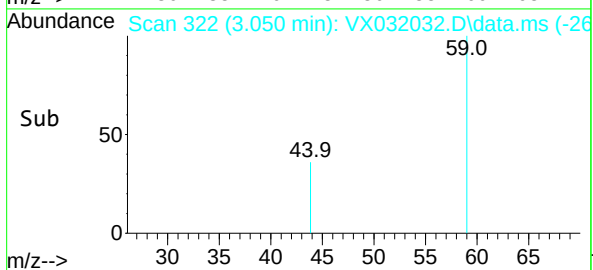
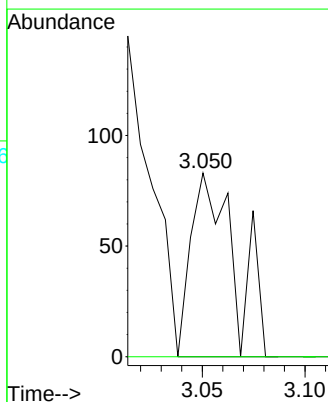
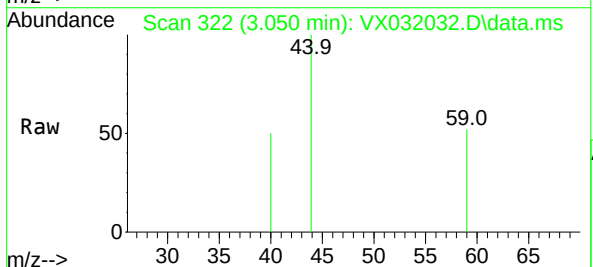
Instrument :
MSVOA_X
Client Sample Id :
R-4

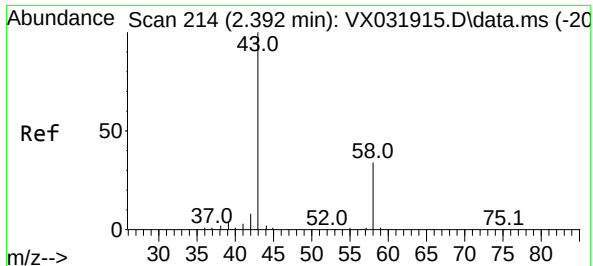
Tgt Ion:142 Resp: 794
Ion Ratio Lower Upper
142 100
127 42.9 37.4 56.0
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.599 ug/l
RT: 3.050 min Scan# 322
Delta R.T. 0.043 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

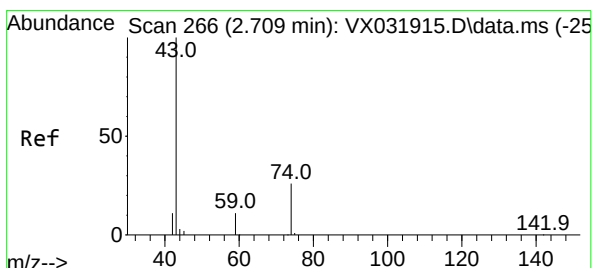
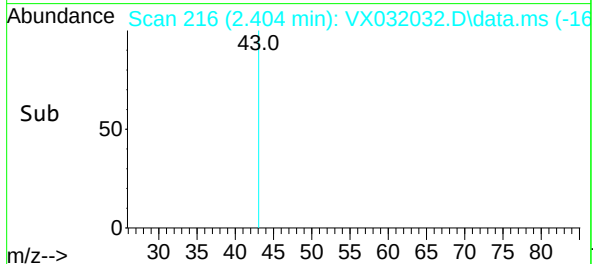
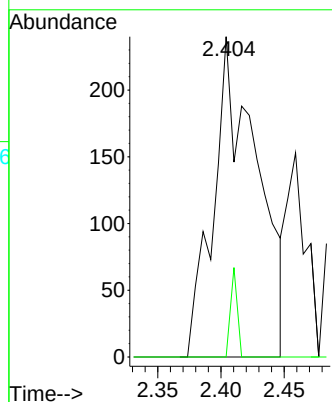
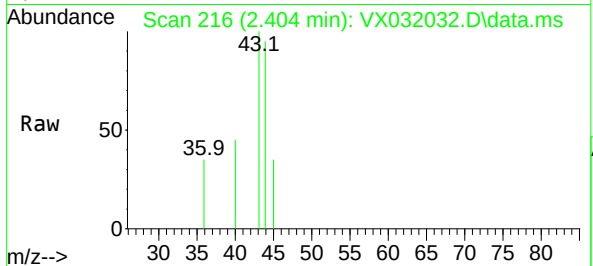




#16
Acetone
Concen: 1.030 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

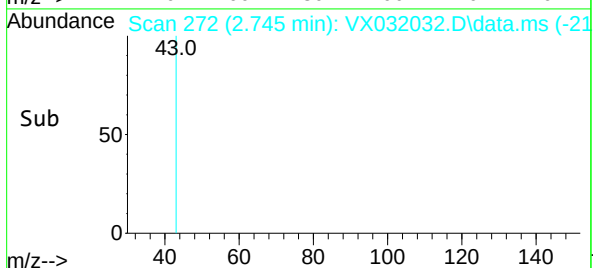
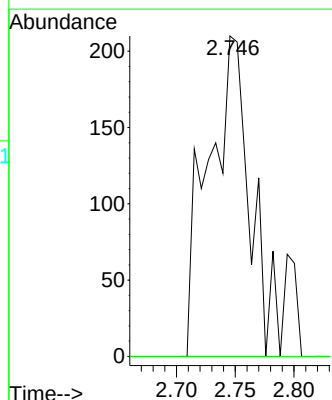
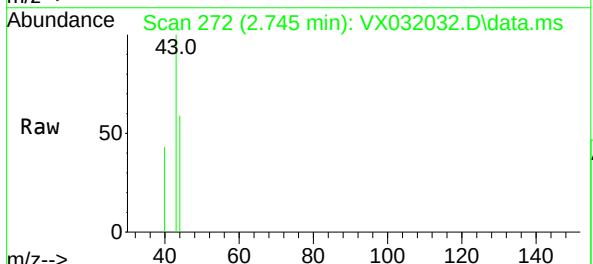
Instrument :
MSVOA_X
ClientSampleId :
R-4

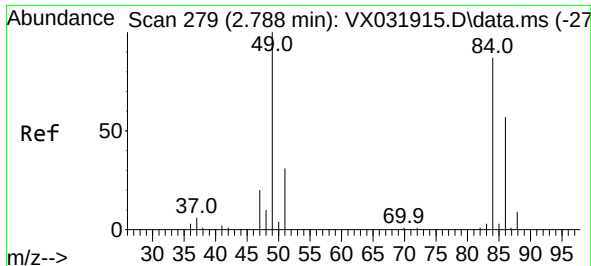
Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.036 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#





#20

Methylene Chloride

Concen: 1.084 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

Instrument :

MSVOA_X

ClientSampleId :

R-4

Tgt Ion: 84 Resp: 1598

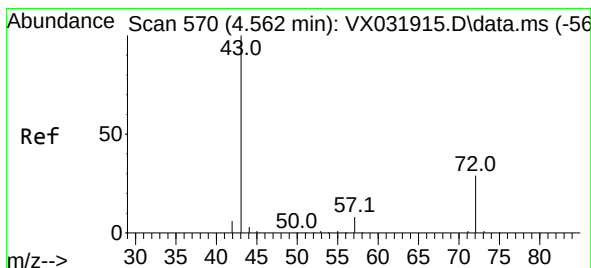
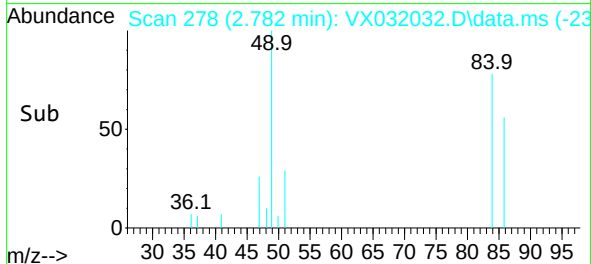
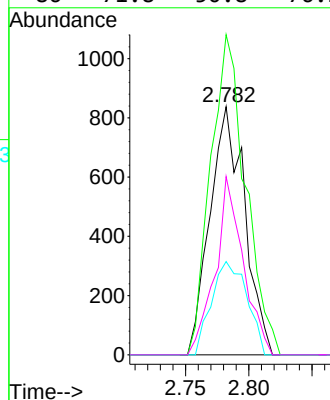
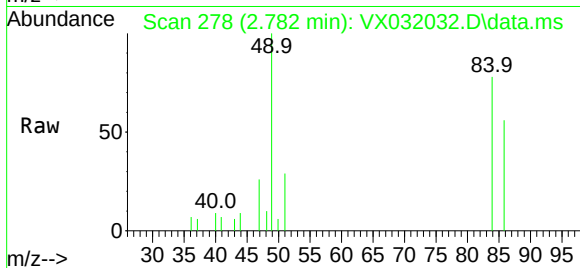
Ion Ratio Lower Upper

84 100

49 129.0 105.9 158.9

51 37.6 32.2 48.2

86 71.8 50.8 76.2



#25

2-Butanone

Concen: 3.927 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.037 min

Lab File: VX032032.D

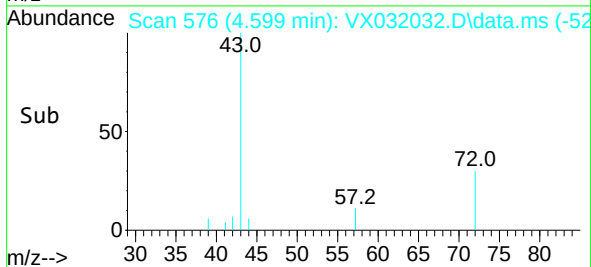
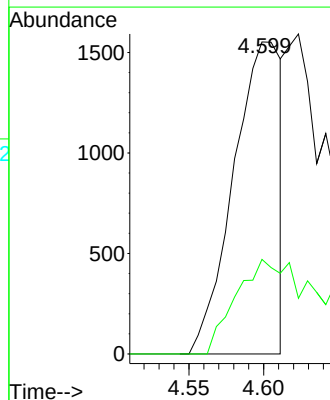
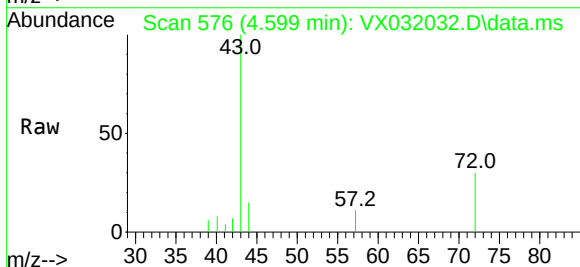
Acq: 11 Oct 2022 13:26

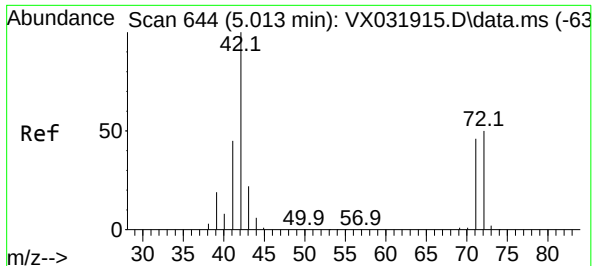
Tgt Ion: 43 Resp: 3445

Ion Ratio Lower Upper

43 100

72 30.3 21.1 31.7





#29

Tetrahydrofuran

Concen: 1.104 ug/l

RT: 5.068 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

Instrument :

MSVOA_X

ClientSampleId :

R-4

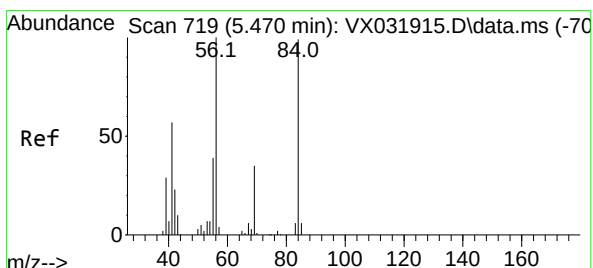
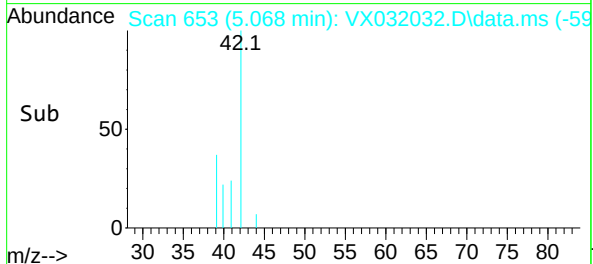
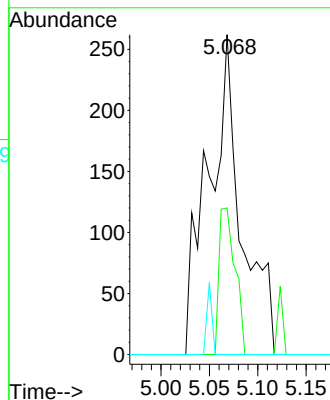
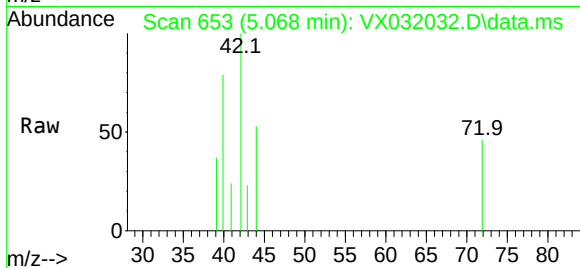
Tgt Ion: 42 Resp: 625

Ion Ratio Lower Upper

42 100

72 22.1 36.4 54.6#

71 3.5 33.5 50.3#



#31

Cyclohexane

Concen: 1.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

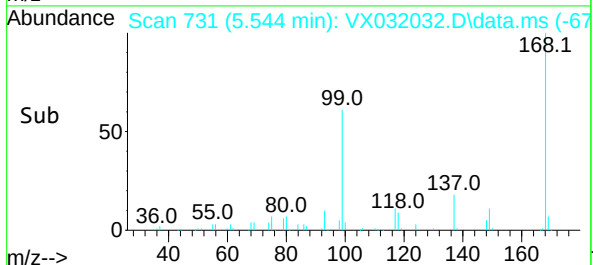
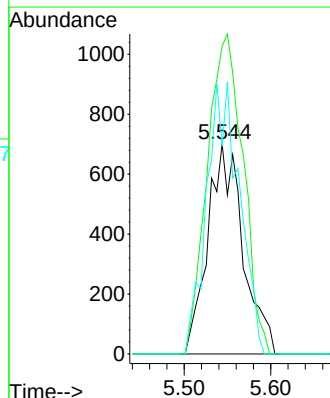
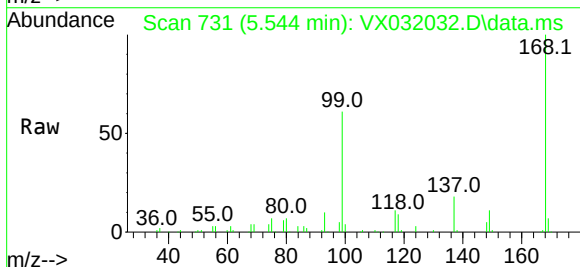
Tgt Ion: 56 Resp: 1973

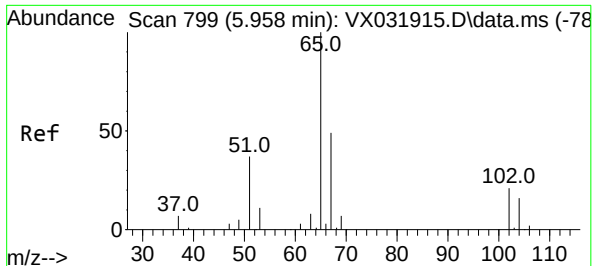
Ion Ratio Lower Upper

56 100

69 146.5 25.1 37.7#

84 98.9 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 49.391 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

Instrument :

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ClientSampleId :

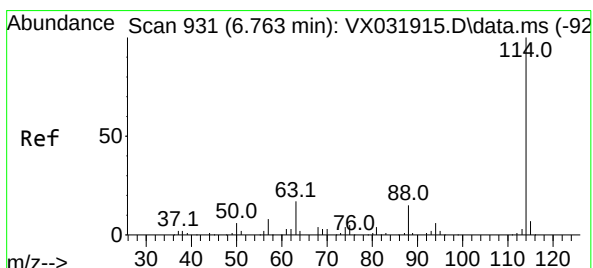
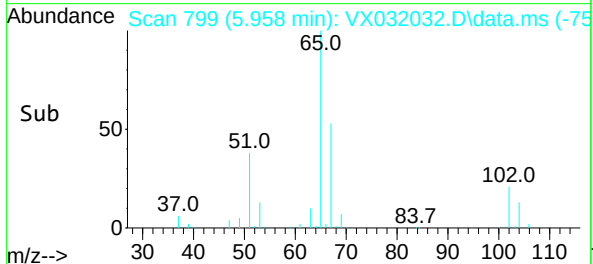
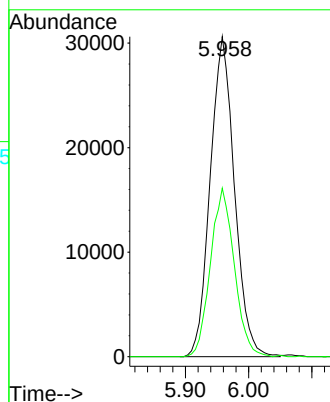
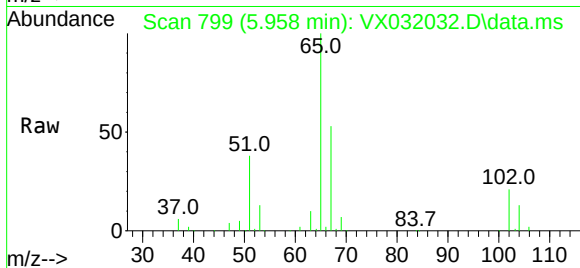
R-4

Tgt Ion: 65 Resp: 81559

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

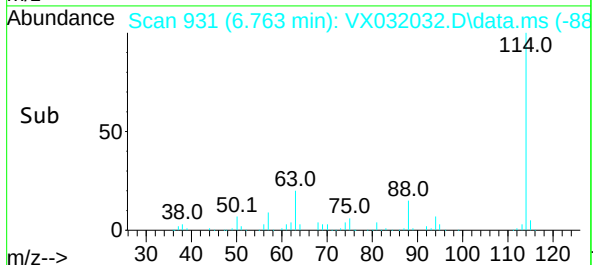
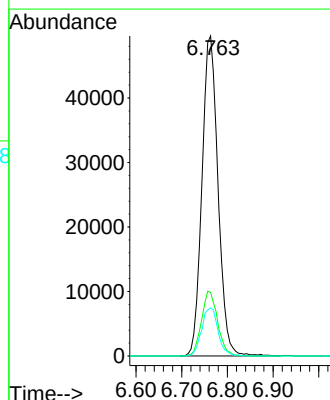
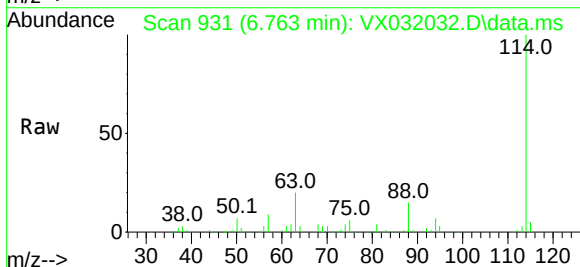
Tgt Ion: 114 Resp: 120966

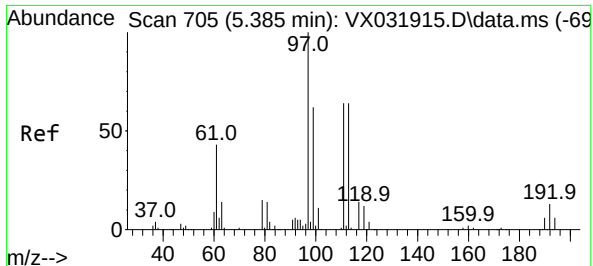
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 15.0 0.0 33.0

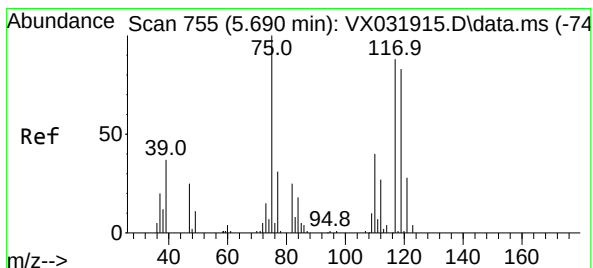
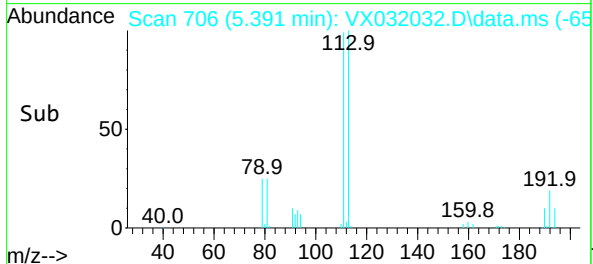
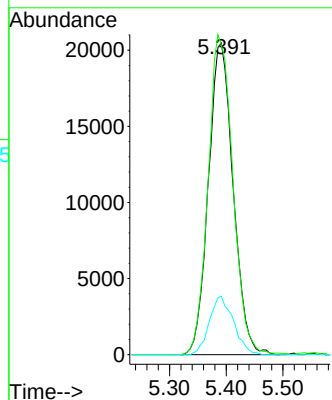
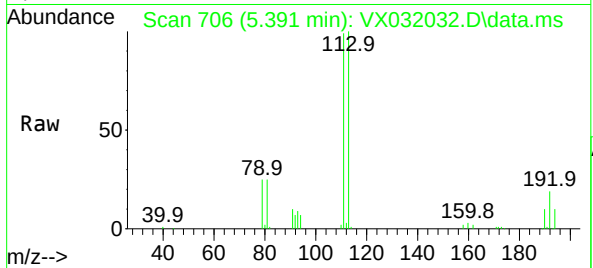




#35
Dibromofluoromethane
Concen: 45.295 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

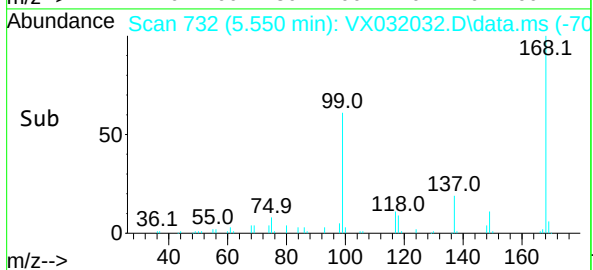
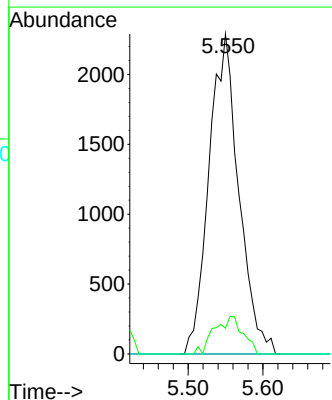
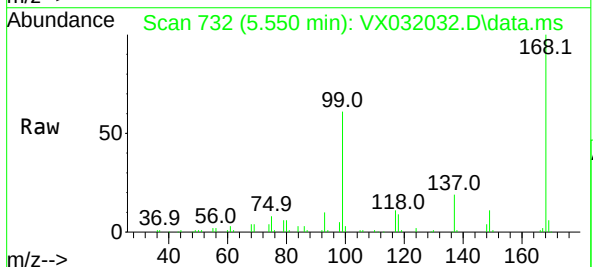
Instrument :
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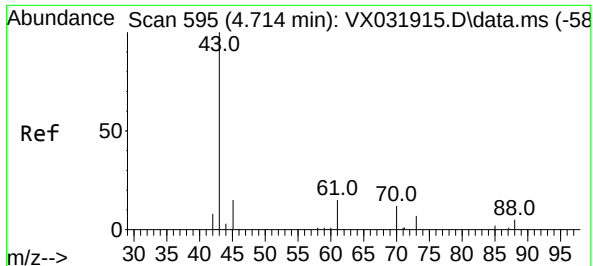
Tgt Ion:113 Resp: 62021
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.499 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion: 75 Resp: 6353
Ion Ratio Lower Upper
75 100
110 11.2 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.015 ug/l

RT: 4.599 min Scan# 51

Delta R.T. -0.115 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

Instrument :

MSVOA_X

ClientSampleId :

R-4

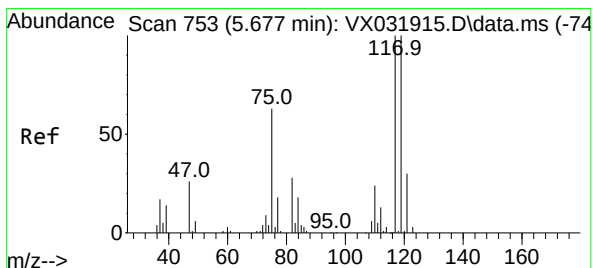
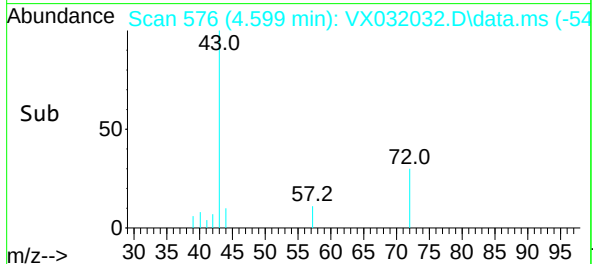
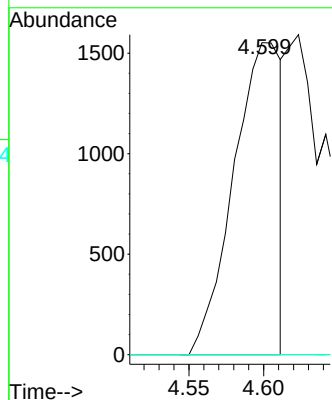
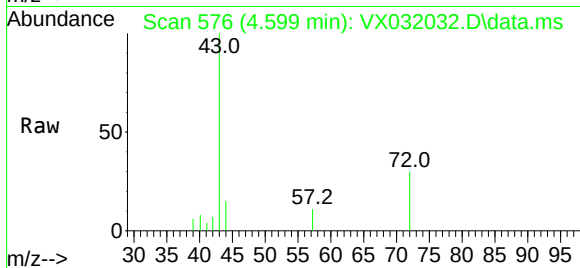
Tgt Ion: 43 Resp: 3445

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 4.622 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

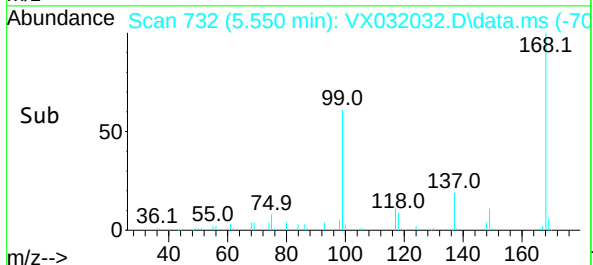
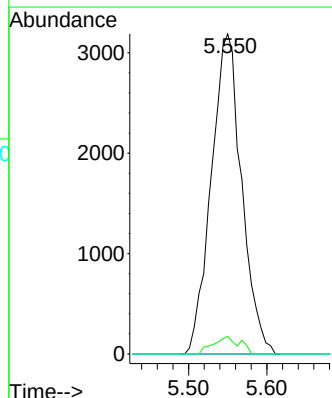
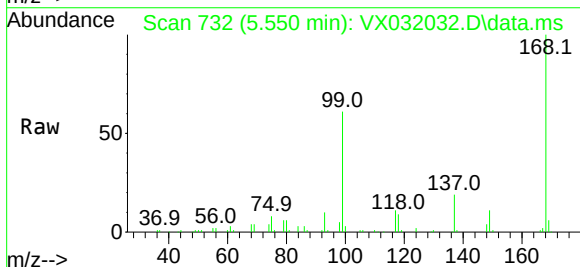
Tgt Ion: 117 Resp: 8580

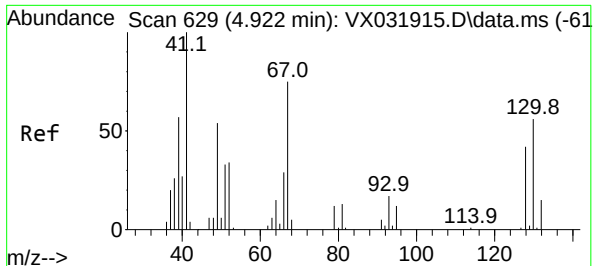
Ion Ratio Lower Upper

117 100

119 5.5 74.6 112.0#

121 0.0 25.3 37.9#

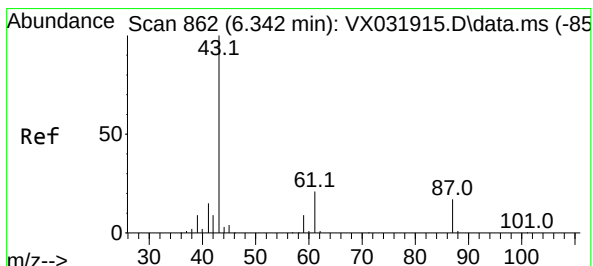
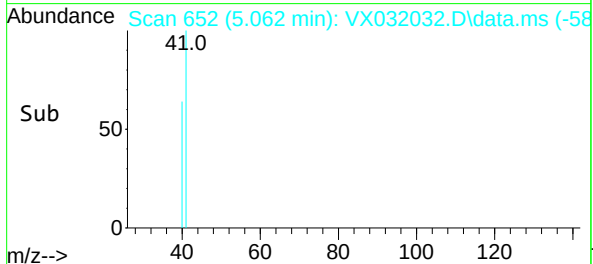
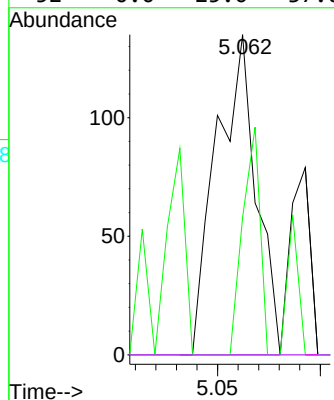
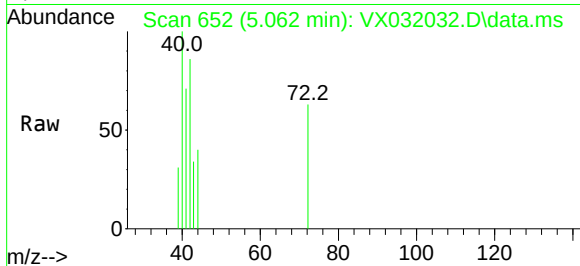




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 5.062 min Scan# 61
Delta R.T. 0.140 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

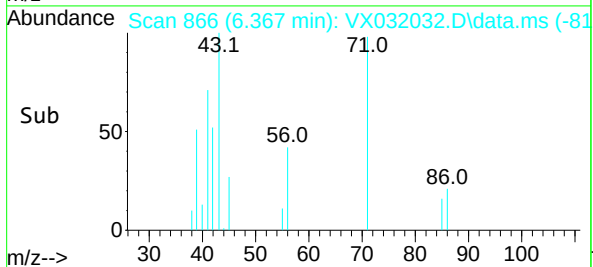
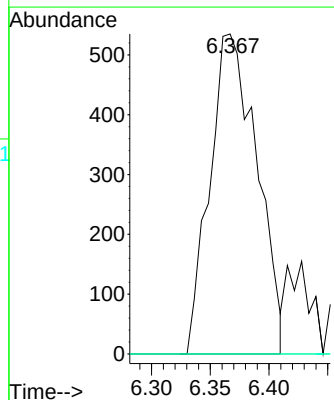
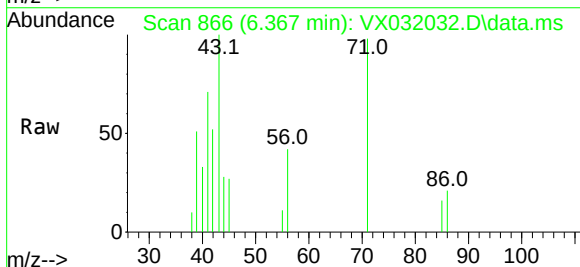
Instrument :
MSVOA_X
ClientSampleId :
R-4

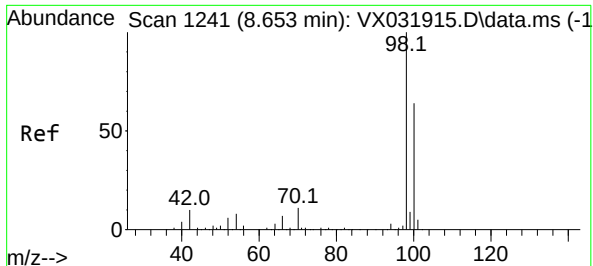
Tgt Ion:	41	Resp:	182
Ion	Ratio	Lower	Upper
41	100		
39	30.8	45.0	67.6#
67	0.0	58.2	87.4#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 0.575 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.025 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion:	43	Resp:	1492
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.3	22.9#
87	0.0	10.6	15.8#

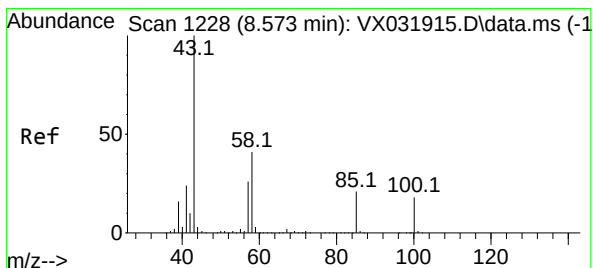
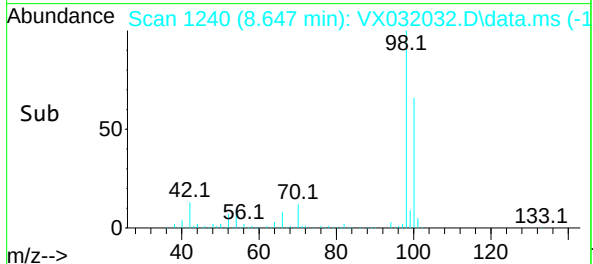
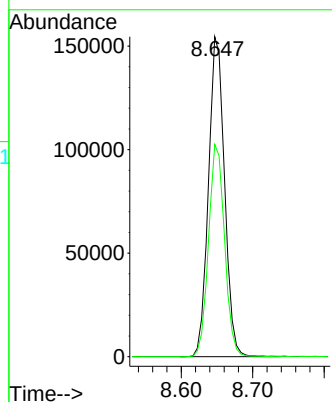
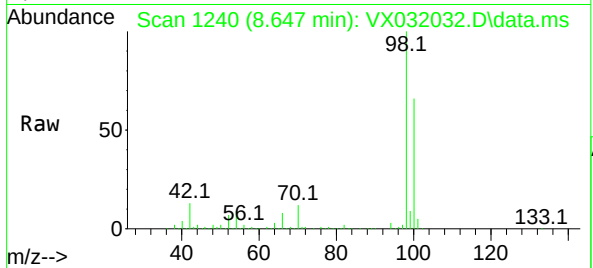




#50
Toluene-d8
Concen: 48.953 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

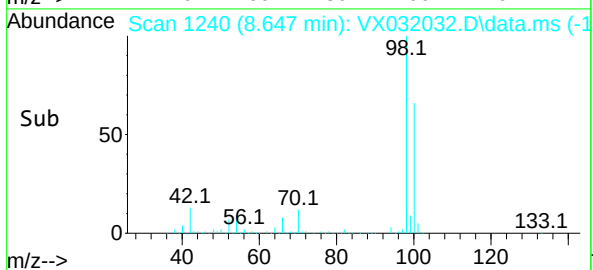
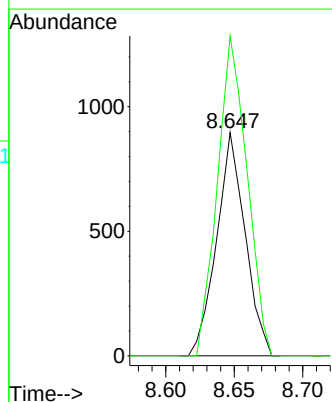
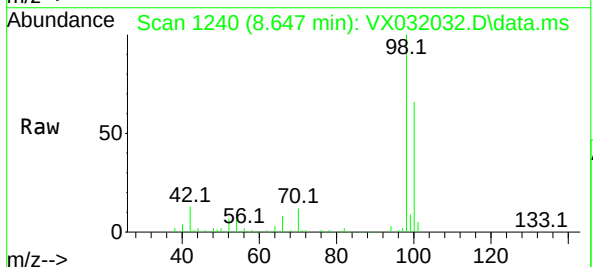
Instrument :
MSVOA_X
ClientSampleId :
R-4

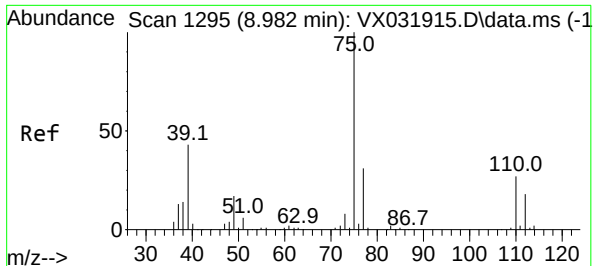
Tgt Ion: 98 Resp: 241196
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.756 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 149.0 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 1.231 ug/l

RT: 8.994 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

Instrument :

MSVOA_X

ClientSampleId :

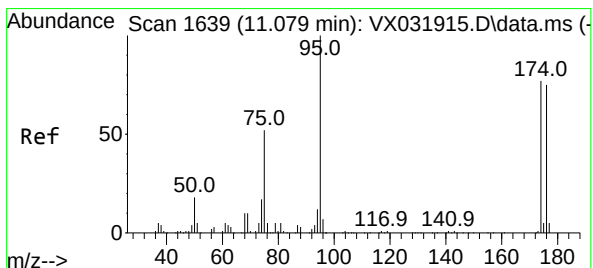
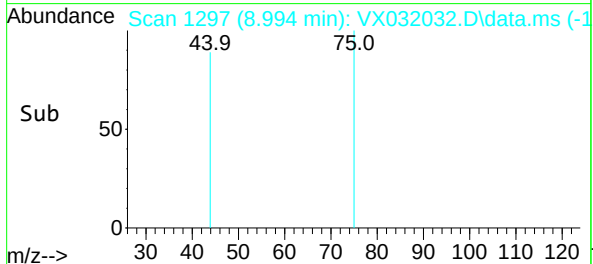
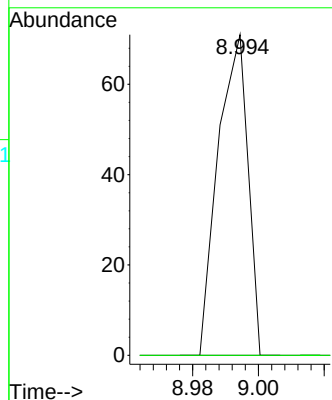
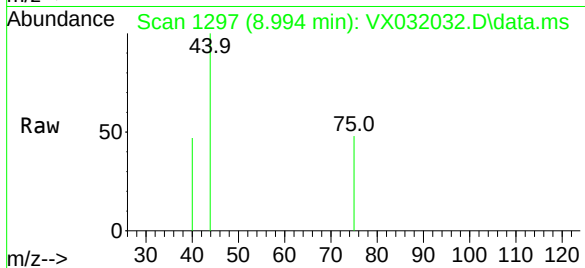
R-4

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#62

4-Bromofluorobenzene

Concen: 41.874 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX032032.D

Acq: 11 Oct 2022 13:26

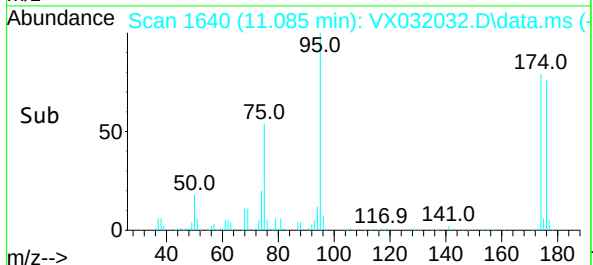
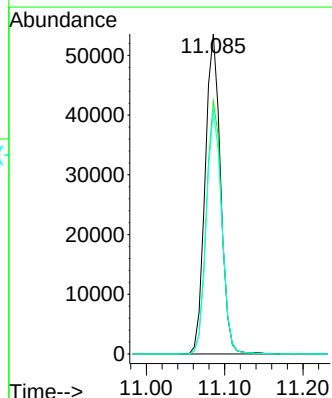
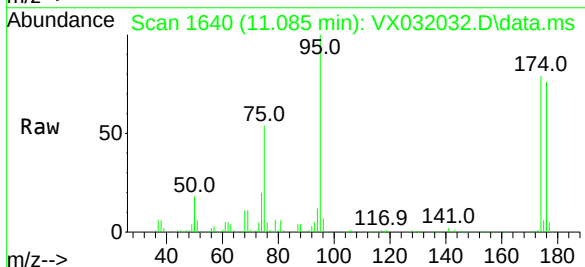
Tgt Ion: 95 Resp: 72938

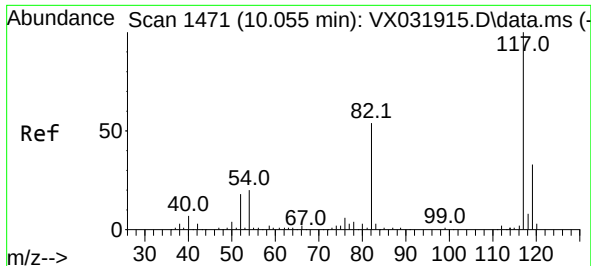
Ion Ratio Lower Upper

95 100

174 79.0 0.0 153.2

176 75.8 0.0 144.0

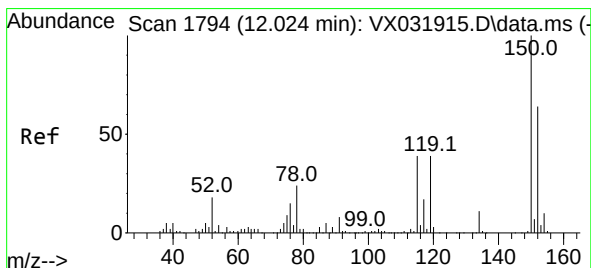
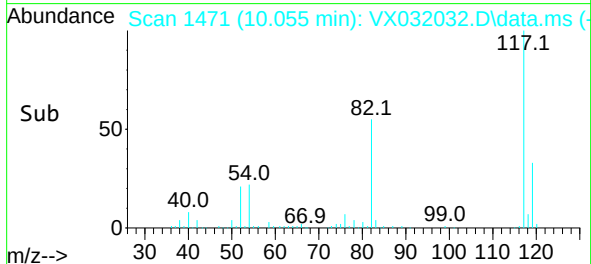
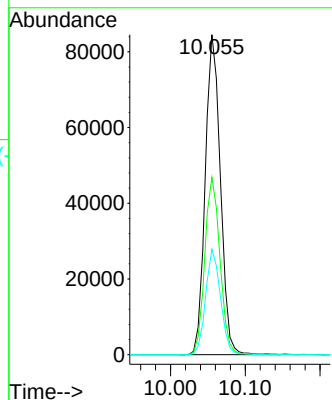
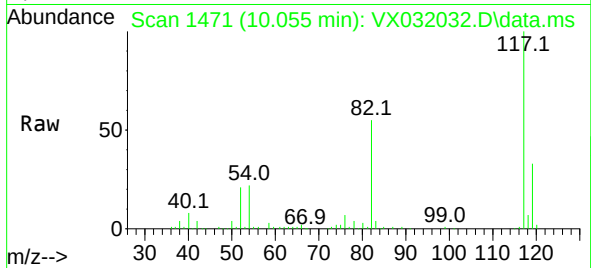




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

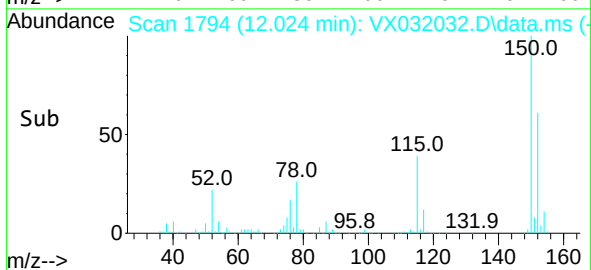
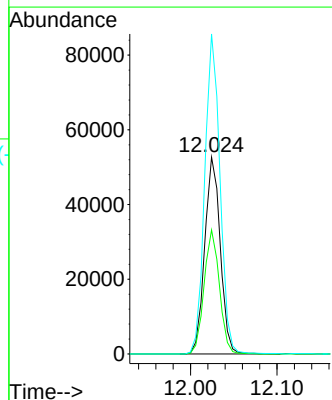
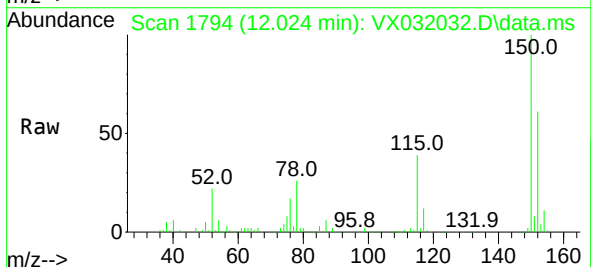
Instrument :
MSVOA_X
ClientSampleId :
R-4

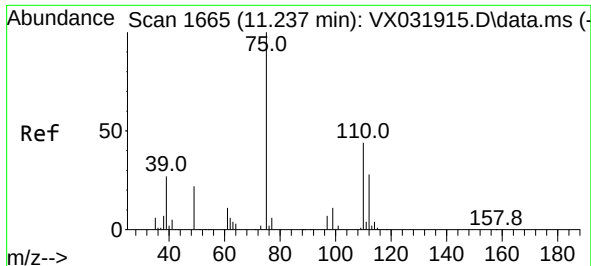
Tgt Ion:117 Resp: 119144
Ion Ratio Lower Upper
117 100
82 55.5 46.8 70.2
119 33.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion:152 Resp: 65834
Ion Ratio Lower Upper
152 100
115 61.9 43.4 130.1
150 159.2 0.0 346.8

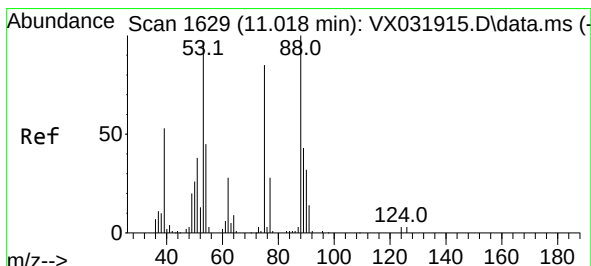
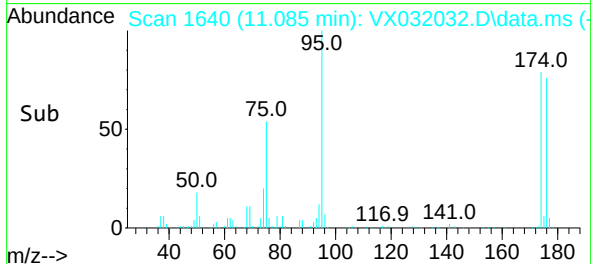
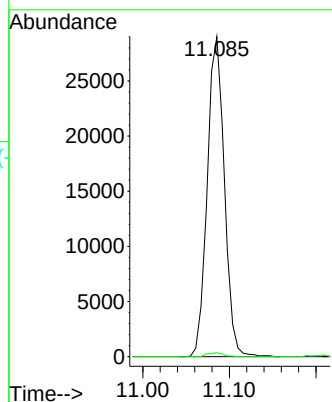
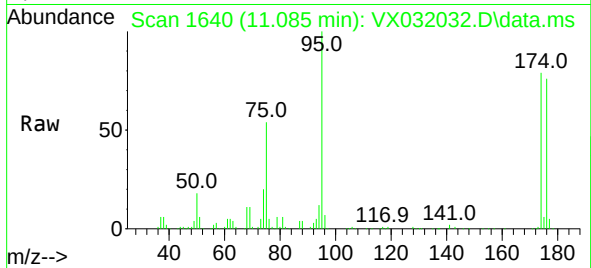




#76
1,2,3-Trichloropropane
Concen: 29.551 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.152 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

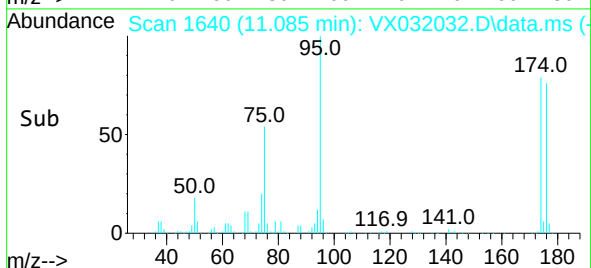
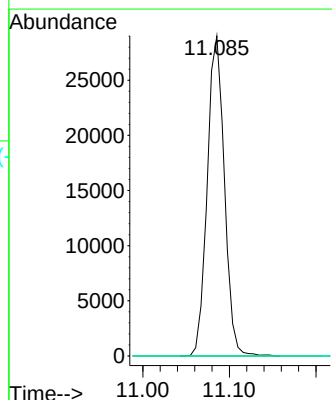
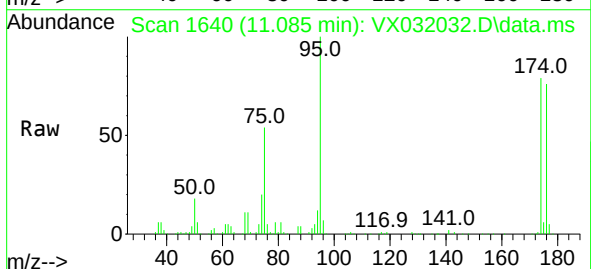
Instrument :
MSVOA_X
ClientSampleId :
R-4

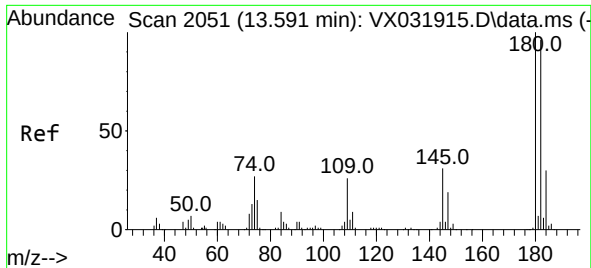
Tgt Ion: 75 Resp: 39872
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.918 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX032032.D
Acq: 11 Oct 2022 13:26

Tgt Ion: 75 Resp: 39872
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

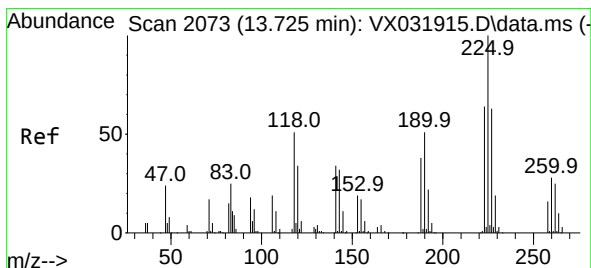
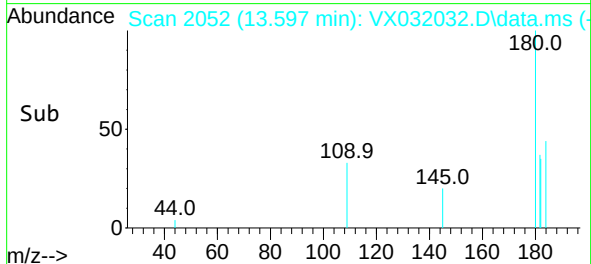
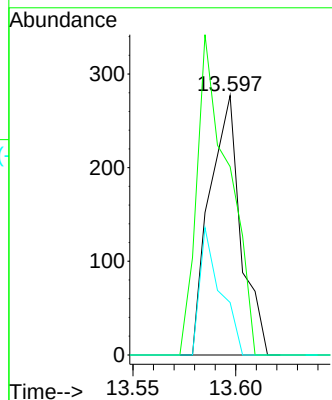
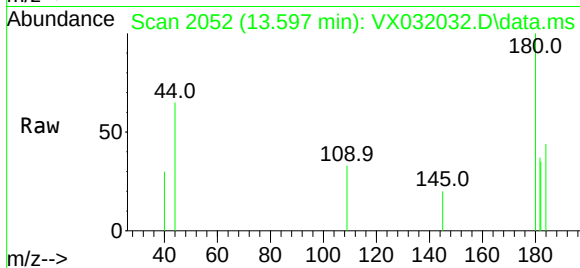




#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.597 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX032032.D
 Acq: 11 Oct 2022 13:26

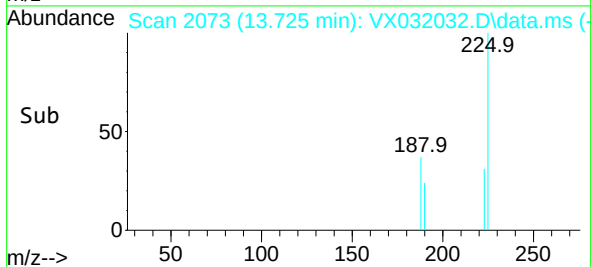
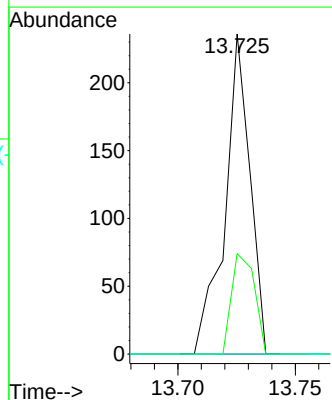
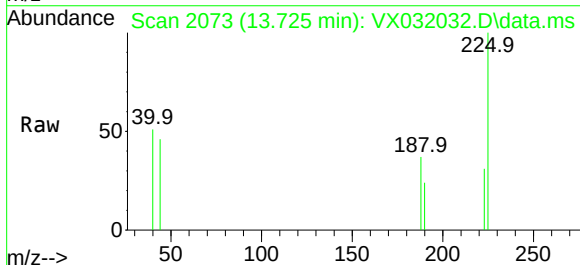
Instrument :
 MSVOA_X
 ClientSampleId :
 R-4

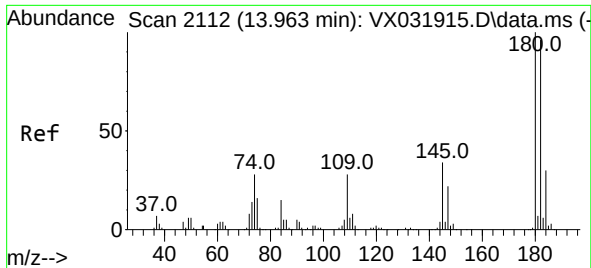
Tgt Ion:180 Resp: 292
 Ion Ratio Lower Upper
 180 100
 182 125.0 46.9 140.6
 145 32.5 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 0.308 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX032032.D
 Acq: 11 Oct 2022 13:26

Tgt Ion:225 Resp: 175
 Ion Ratio Lower Upper
 225 100
 223 28.6 30.8 92.4#
 227 0.0 32.3 96.9#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.224 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX032032.D
 Acq: 11 Oct 2022 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 R-4

Tgt Ion:180 Resp: 319
 Ion Ratio Lower Upper
 180 100
 182 76.5 47.9 143.8
 145 12.2 17.6 52.8#

