

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033194.D
 Acq On : 02 Dec 2022 18:30
 Operator : JC/MD
 Sample : N5841-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LEA-11S

Quant Time: Dec 03 04:35:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

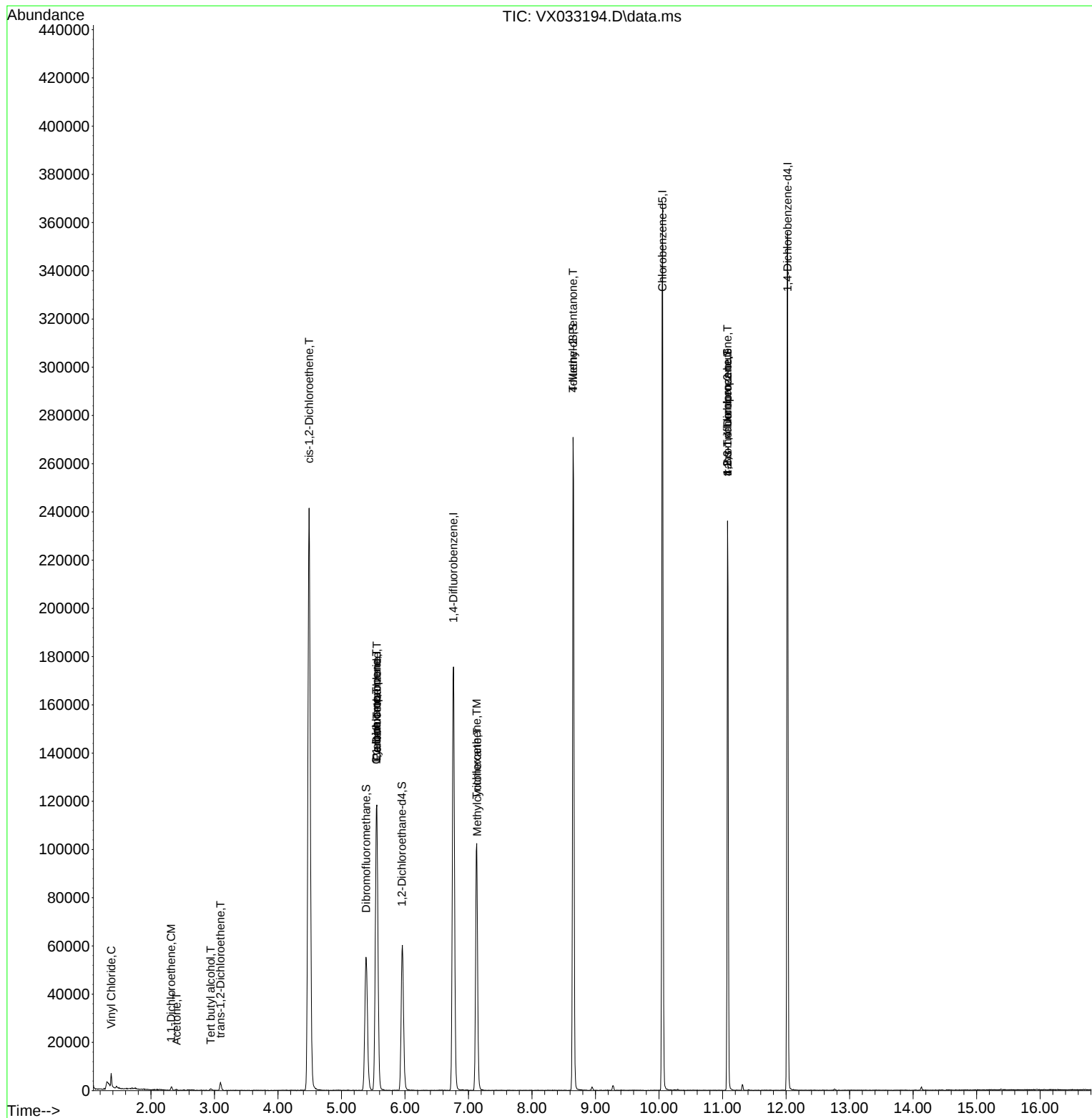
Internal Standards						
1) Pentafluorobenzene	5.556	168	112639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60569	55.366	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.740%
35) Dibromofluoromethane	5.385	113	48503	47.673	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.340%
50) Toluene-d8	8.647	98	161057	52.730	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.460%
62) 4-Bromofluorobenzene	11.079	95	60156	45.011	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.020%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	3250	3.142	ug/l #	64
11) Tert butyl alcohol	2.941	59	351	2.019	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	558	0.568	ug/l #	92
16) Acetone	2.404	43	549	1.072	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	1344	1.195	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	151819	118.838	ug/l	90
31) Cyclohexane	5.550	56	2491	1.402	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8611	5.293	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11738	6.504	ug/l #	15
39) Methylcyclohexane	7.135	83	418	0.225	ug/l #	1
44) Trichloroethene	7.129	130	39883	31.161	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	671	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33211	23.450	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33211	76.222	ug/l #	6

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

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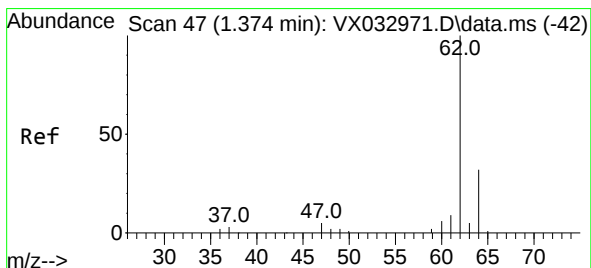
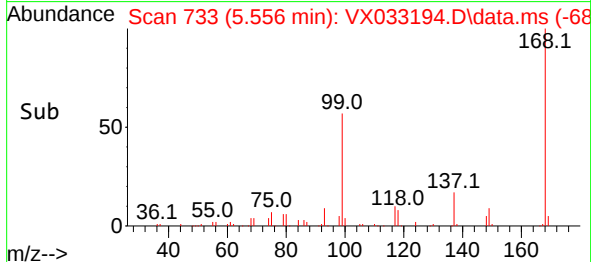
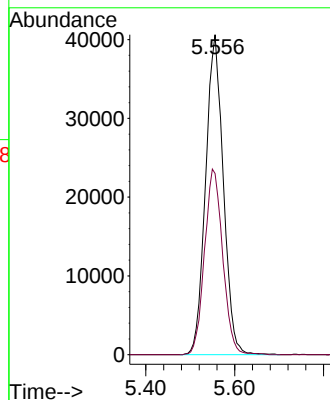
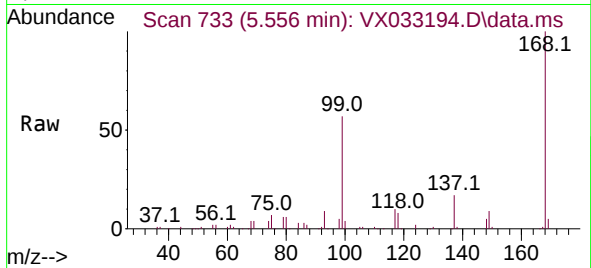




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

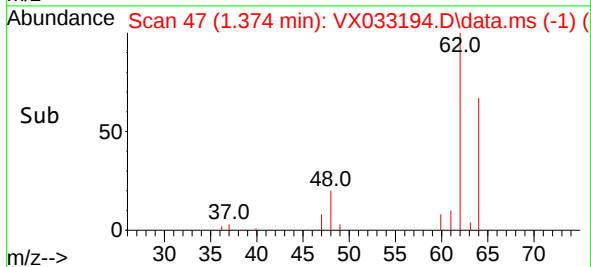
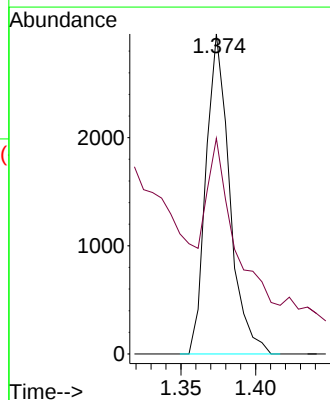
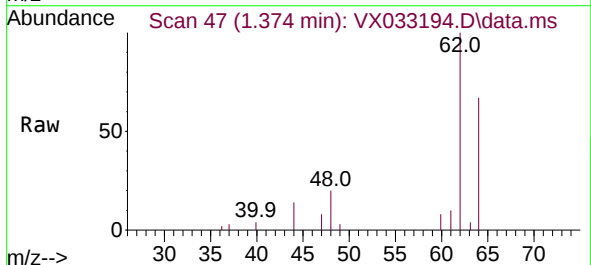
Instrument :
MSVOA_X
ClientSampleId :
LEA-11S

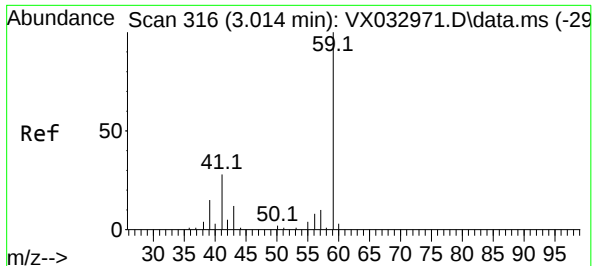
Tgt Ion:168 Resp: 112639
Ion Ratio Lower Upper
168 100
99 56.6 46.1 69.1



#4
Vinyl Chloride
Concen: 3.142 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

Tgt Ion: 62 Resp: 3250
Ion Ratio Lower Upper
62 100
64 52.2 25.8 38.6#





#11

Tert butyl alcohol

Concen: 2.019 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

Instrument :

MSVOA_X

ClientSampleId :

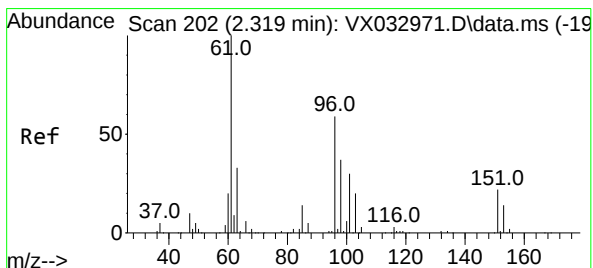
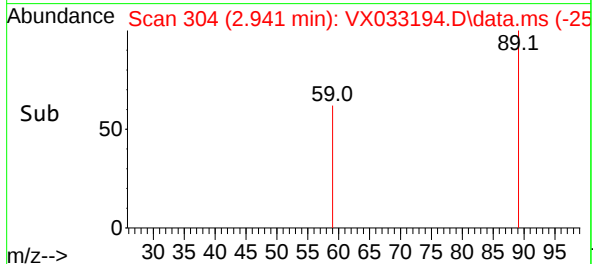
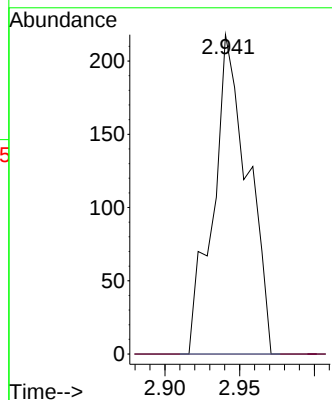
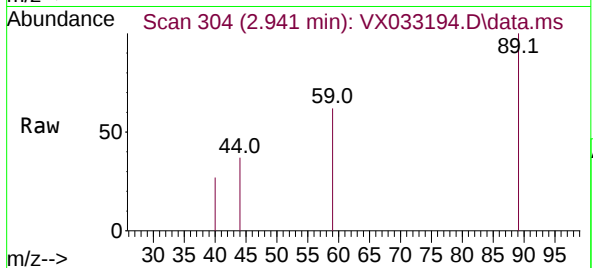
LEA-11S

Tgt Ion: 59 Resp: 351

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.568 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

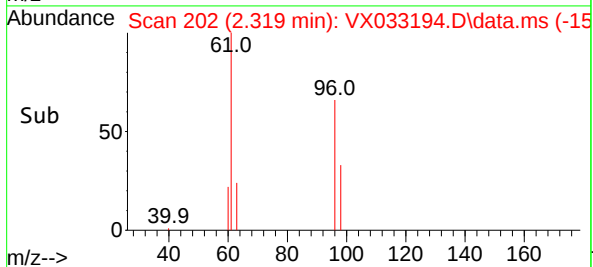
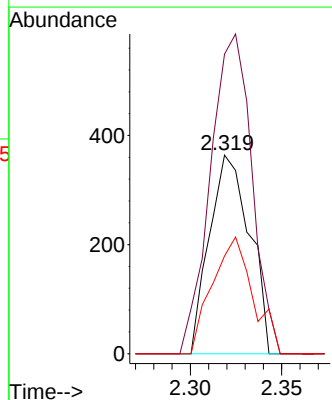
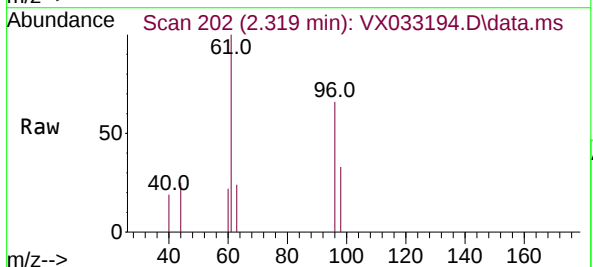
Tgt Ion: 96 Resp: 558

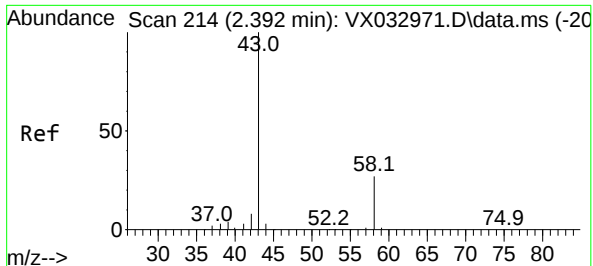
Ion Ratio Lower Upper

96 100

61 150.8 125.1 187.7

98 49.2 50.6 76.0#





#16

Acetone

Concen: 1.072 ug/l

RT: 2.404 min Scan# 214

Delta R.T. 0.024 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

Instrument :

MSVOA_X

ClientSampleId :

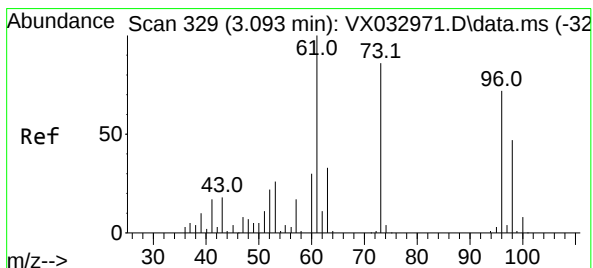
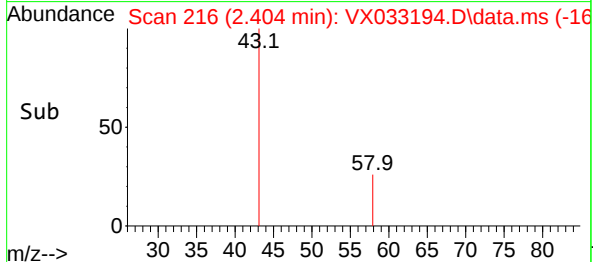
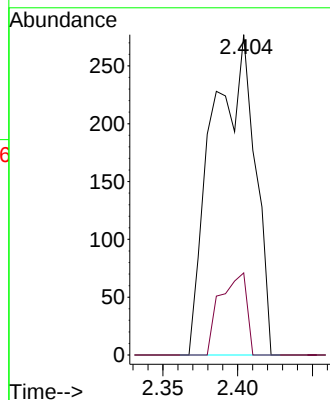
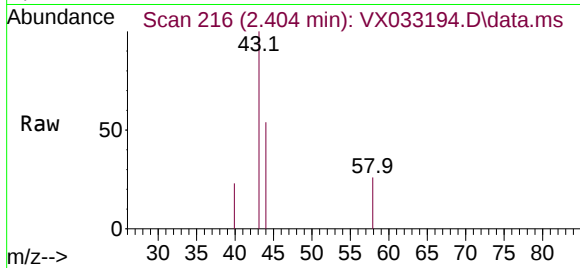
LEA-11S

Tgt Ion: 43 Resp: 549

Ion Ratio Lower Upper

43 100

58 25.6 23.8 35.8



#21

trans-1,2-Dichloroethene

Concen: 1.195 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

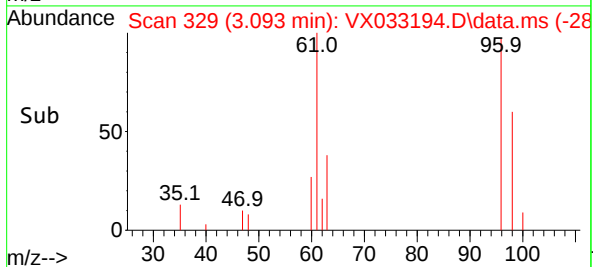
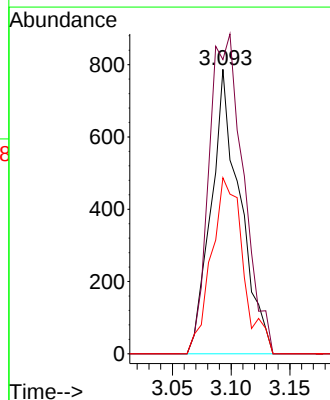
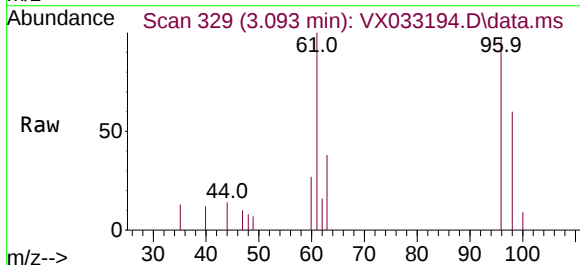
Tgt Ion: 96 Resp: 1344

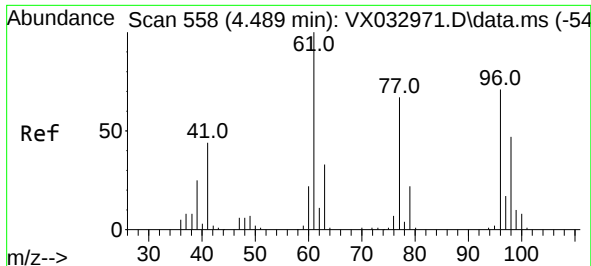
Ion Ratio Lower Upper

96 100

61 103.4 106.6 160.0#

98 61.9 51.0 76.6

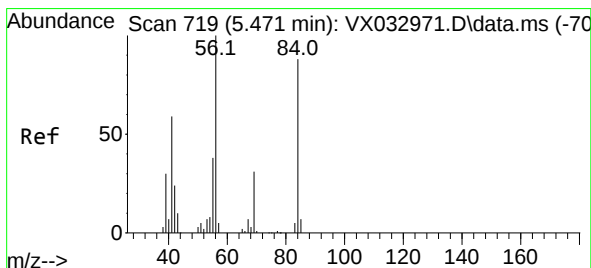
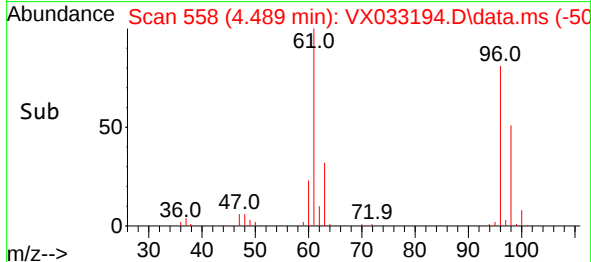
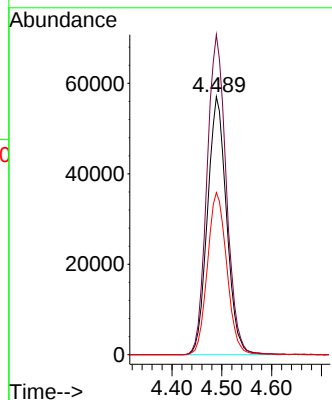
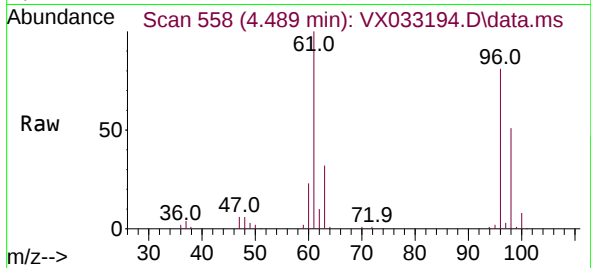




#27
 cis-1,2-Dichloroethene
 Concen: 118.838 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX033194.D
 Acq: 02 Dec 2022 18:30

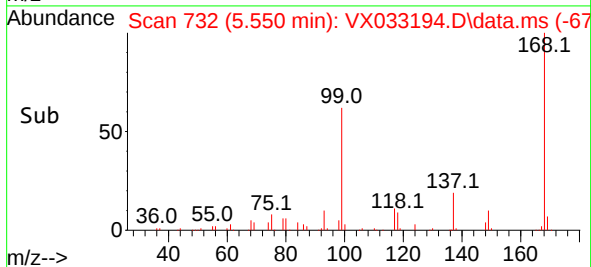
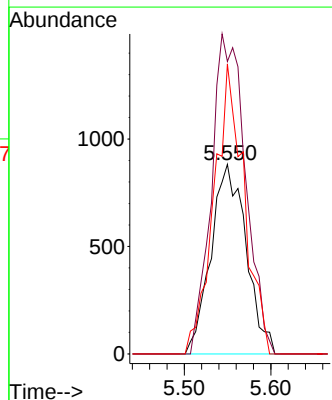
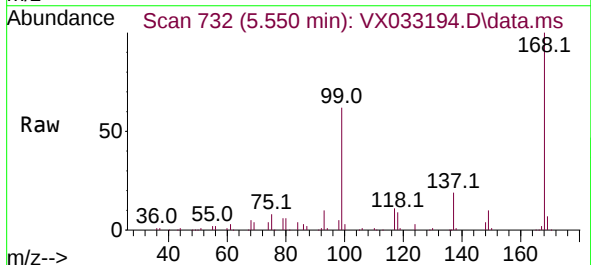
Instrument :
 MSVOA_X
 ClientSampleId :
 LEA-11S

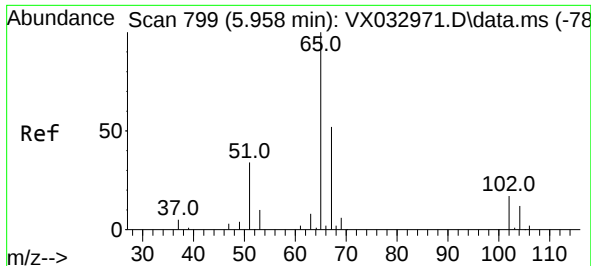
Tgt Ion: 96 Resp: 151819
 Ion Ratio Lower Upper
 96 100
 61 125.6 0.0 286.0
 98 63.6 0.0 129.6



#31
 Cyclohexane
 Concen: 1.402 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.080 min
 Lab File: VX033194.D
 Acq: 02 Dec 2022 18:30

Tgt Ion: 56 Resp: 2491
 Ion Ratio Lower Upper
 56 100
 69 154.3 24.1 36.1#
 84 153.1 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.366 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

Instrument :

MSVOA_X

ClientSampleId :

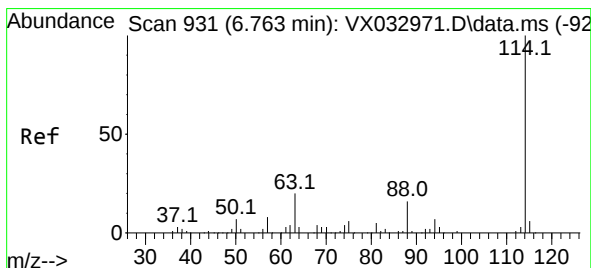
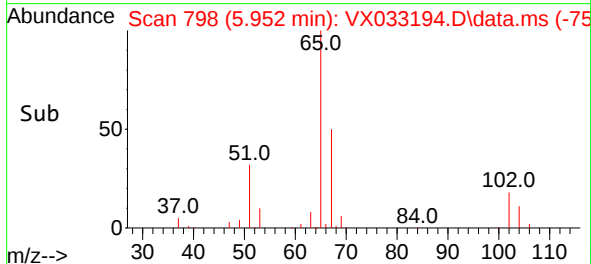
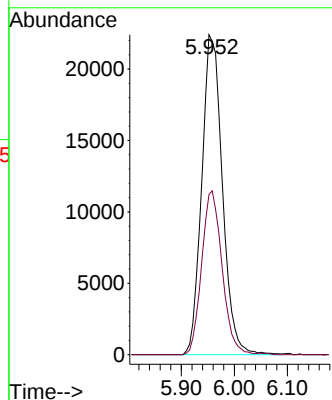
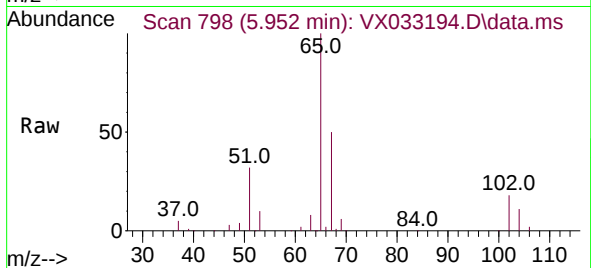
LEA-11S

Tgt Ion: 65 Resp: 60569

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

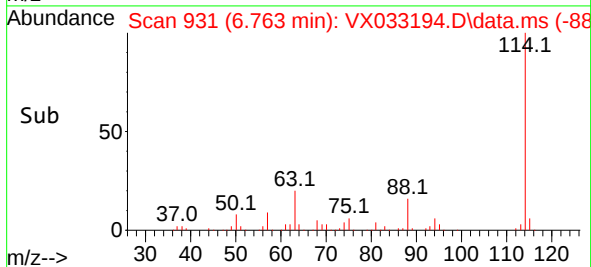
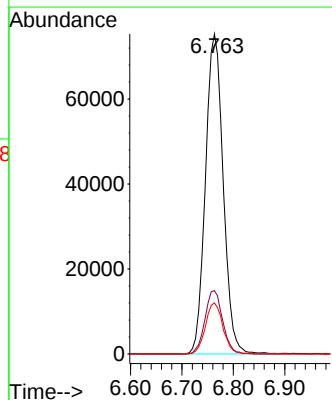
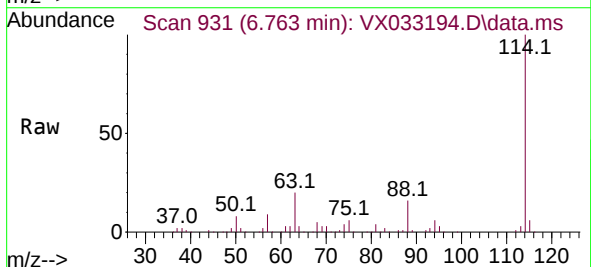
Tgt Ion: 114 Resp: 180468

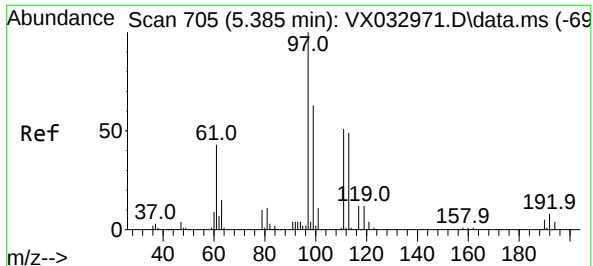
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.673 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

Instrument :

MSVOA_X

ClientSampleId :

LEA-11S

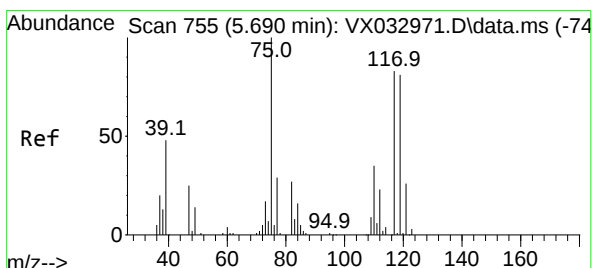
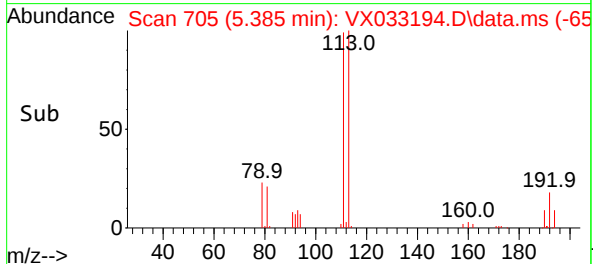
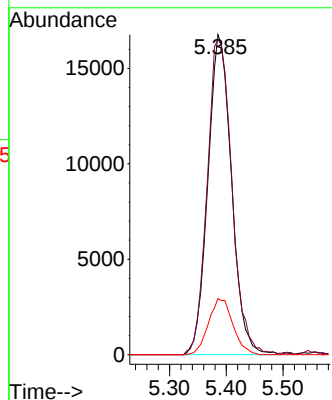
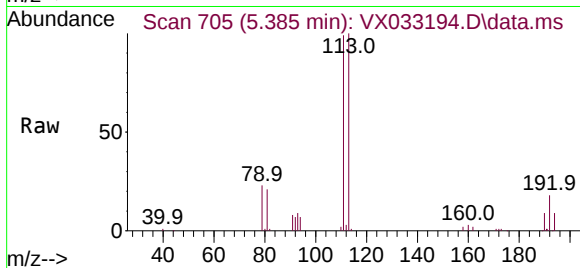
Tgt Ion:113 Resp: 48503

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

192 18.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.293 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

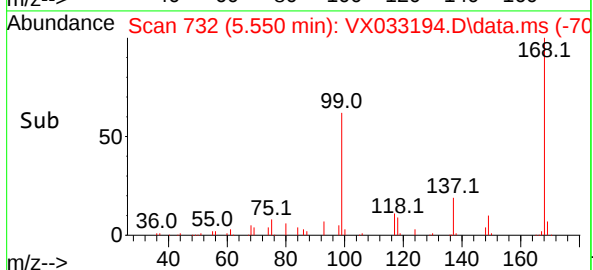
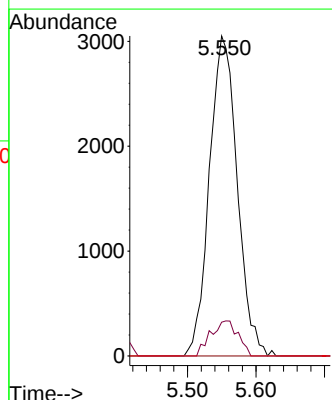
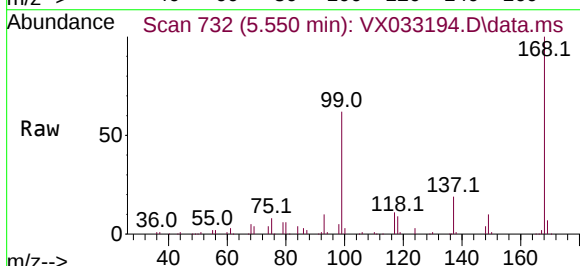
Tgt Ion: 75 Resp: 8611

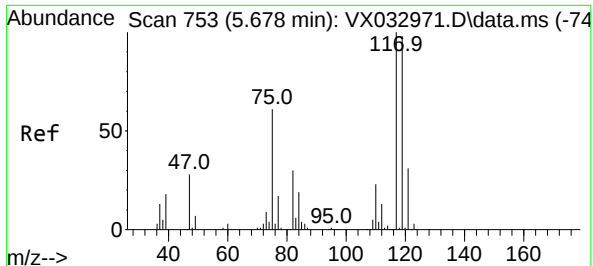
Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.2#

77 0.0 24.5 36.7#

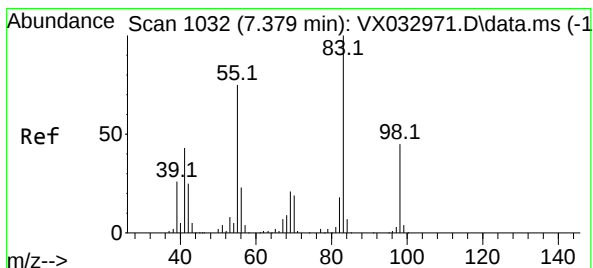
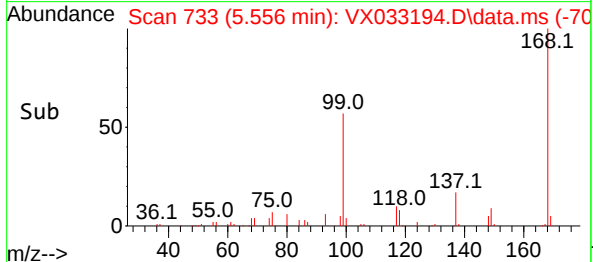
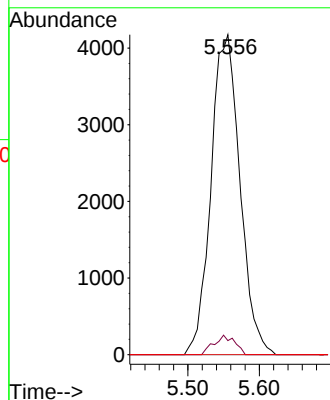
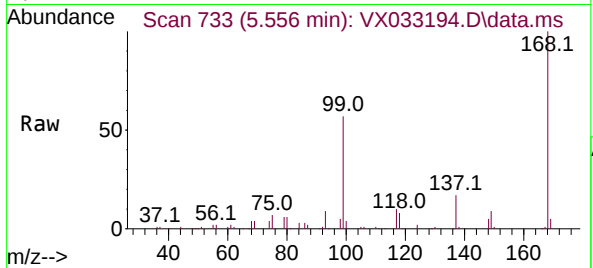




#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

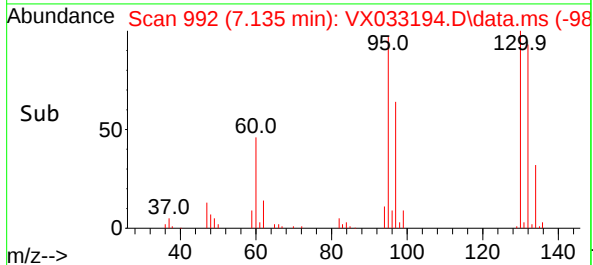
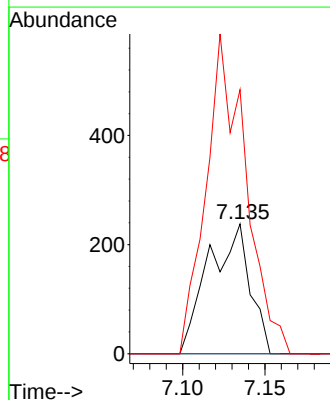
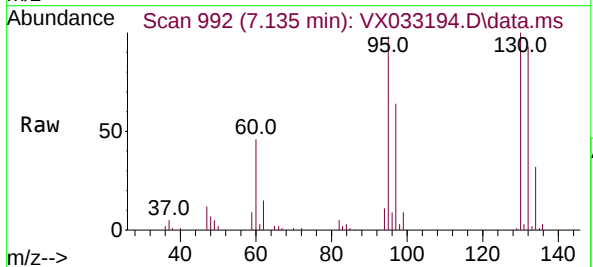
Instrument :
MSVOA_X
ClientSampleId :
LEA-11S

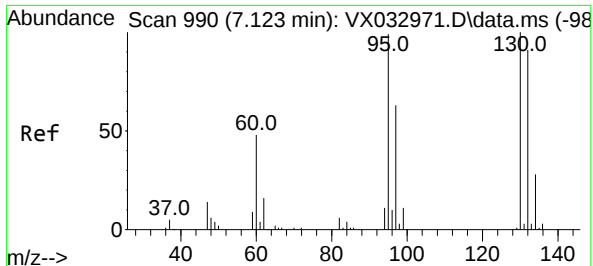
Tgt Ion:117 Resp: 11738
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.225 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

Tgt Ion: 83 Resp: 418
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 203.4 37.2 55.8#





#44

Trichloroethene

Concen: 31.161 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

Instrument :

MSVOA_X

ClientSampleId :

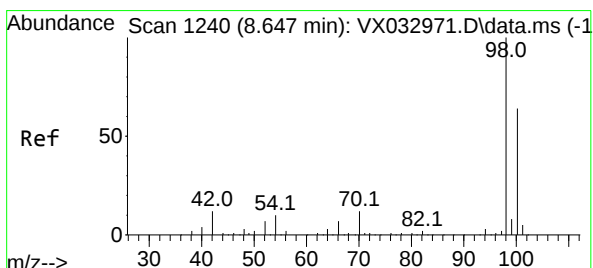
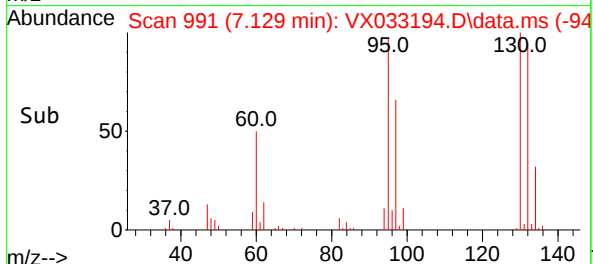
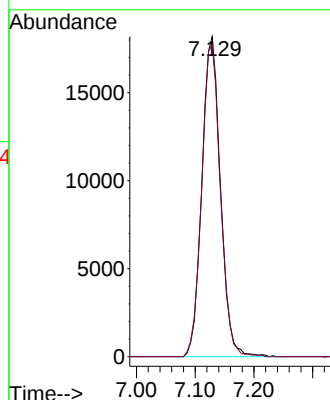
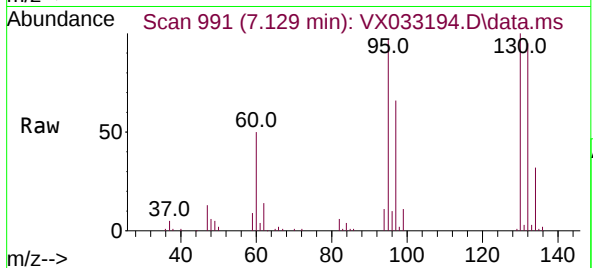
LEA-11S

Tgt Ion:130 Resp: 39883

Ion Ratio Lower Upper

130 100

95 97.5 0.0 195.2



#50

Toluene-d8

Concen: 52.730 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033194.D

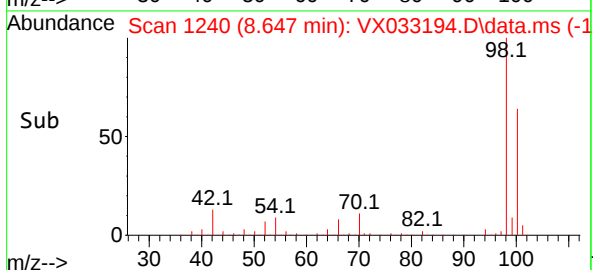
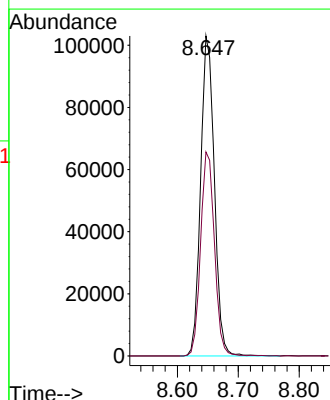
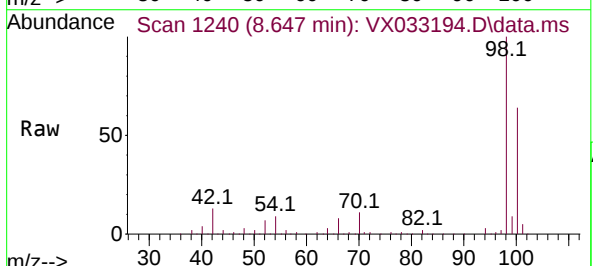
Acq: 02 Dec 2022 18:30

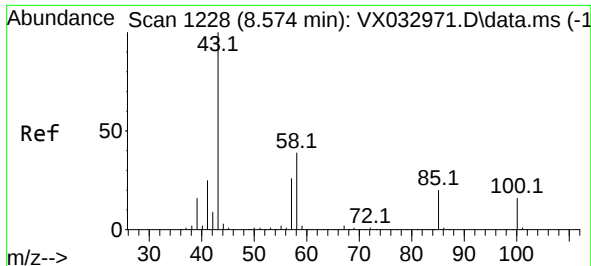
Tgt Ion: 98 Resp: 161057

Ion Ratio Lower Upper

98 100

100 64.4 50.9 76.3

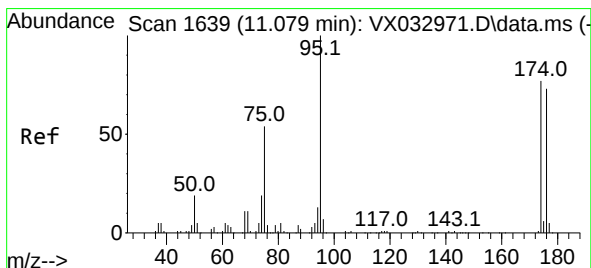
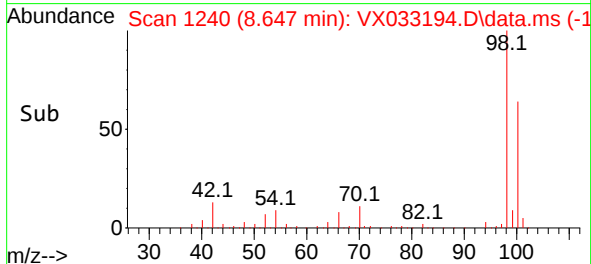
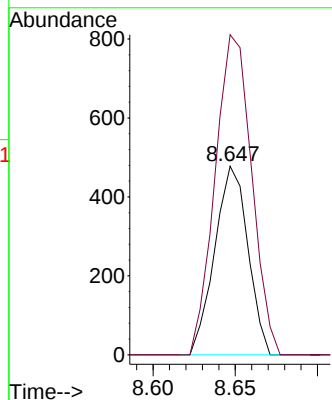
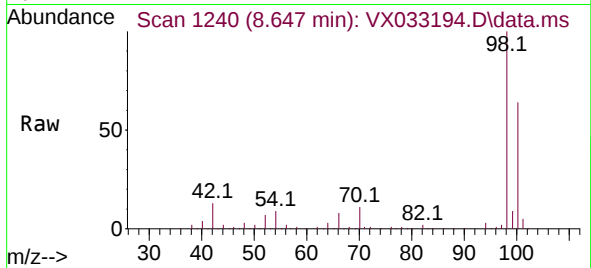




#51
4-Methyl-2-Pentanone
Concen: 0.463 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

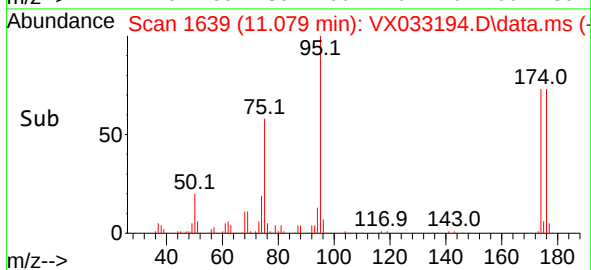
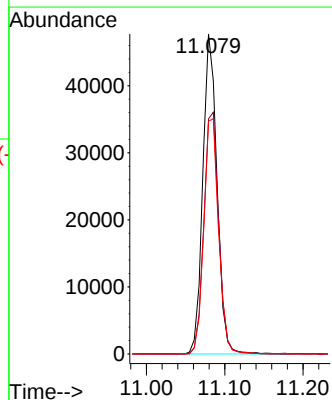
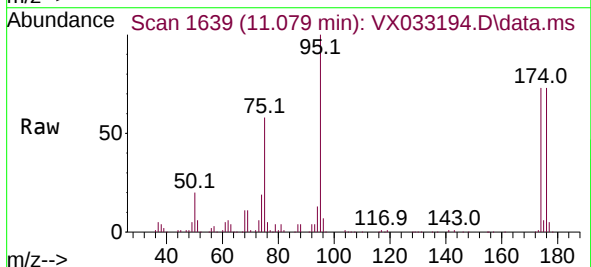
Instrument :
MSVOA_X
ClientSampleId :
LEA-11S

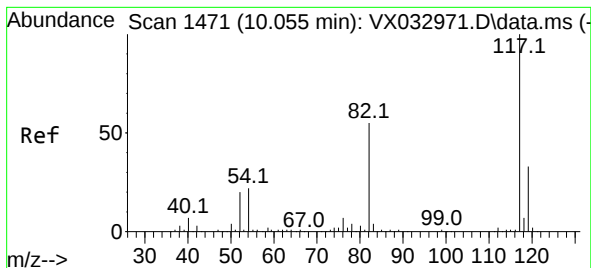
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 186.9 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 45.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

Tgt Ion: 95 Resp: 60156
Ion Ratio Lower Upper
95 100
174 79.0 0.0 164.0
176 76.5 0.0 154.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

Instrument :

MSVOA_X

ClientSampleId :

LEA-11S

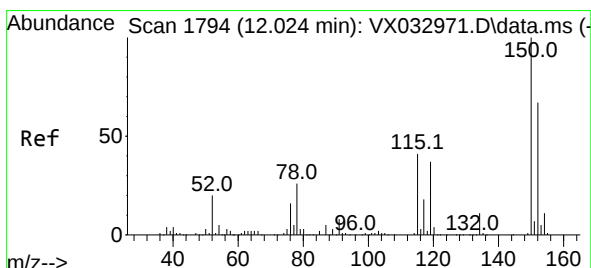
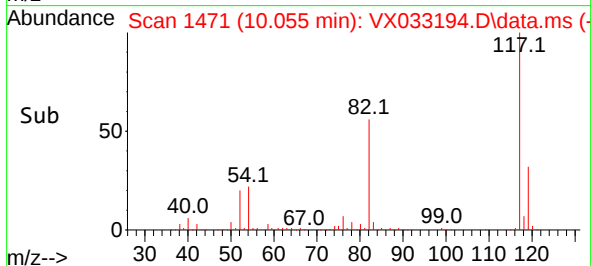
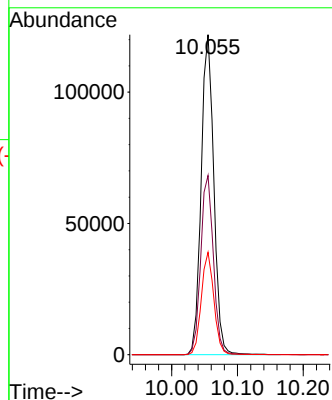
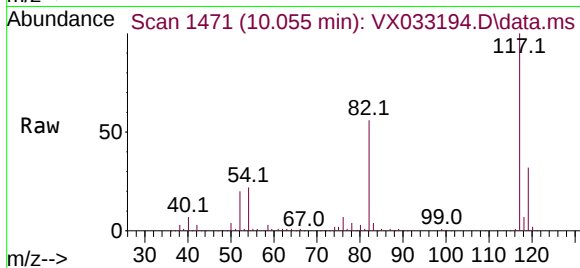
Tgt Ion:117 Resp: 162971

Ion Ratio Lower Upper

117 100

82 56.0 44.3 66.5

119 32.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX033194.D

Acq: 02 Dec 2022 18:30

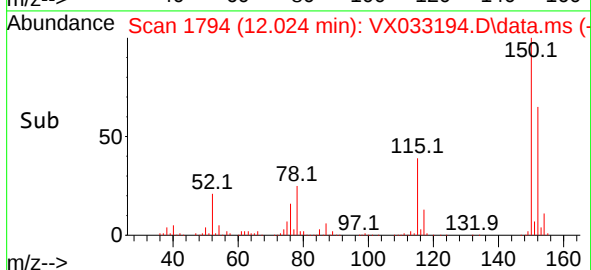
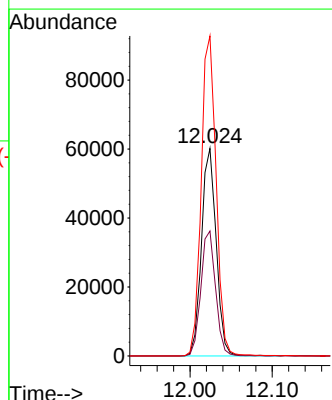
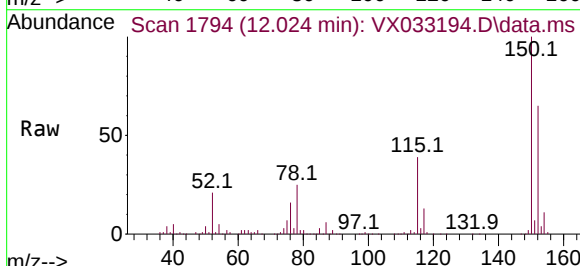
Tgt Ion:152 Resp: 74783

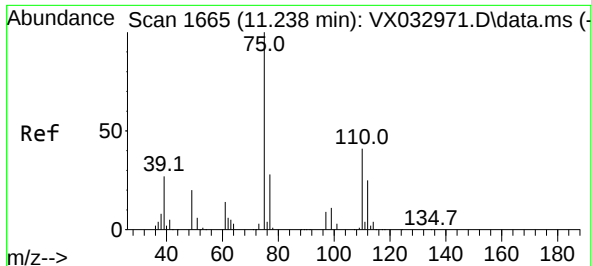
Ion Ratio Lower Upper

152 100

115 60.3 44.0 132.0

150 156.4 0.0 351.8

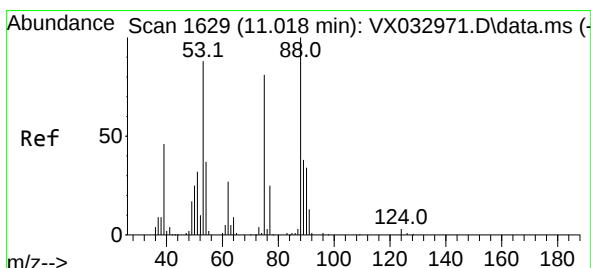
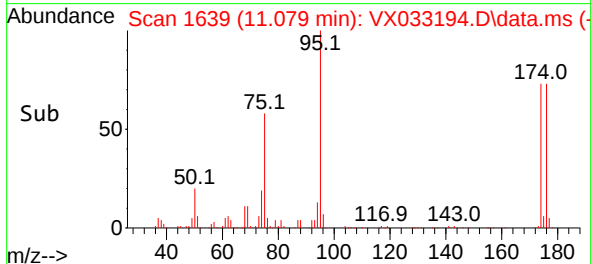
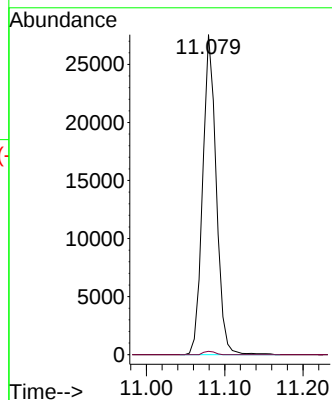
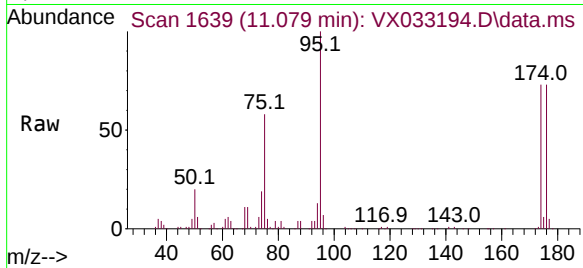




#76
1,2,3-Trichloropropane
Concen: 23.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

Instrument :
MSVOA_X
ClientSampleId :
LEA-11S

Tgt Ion: 75 Resp: 33211
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.222 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033194.D
Acq: 02 Dec 2022 18:30

Tgt Ion: 75 Resp: 33211
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

