

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032391.D
 Acq On : 26 Oct 2022 02:06
 Operator : JC/MD
 Sample : N5267-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

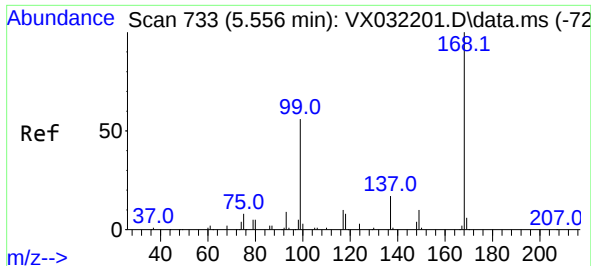
Instrument :
 MSVOA_X
 ClientSampleId :
 TP4-1024

Quant Time: Oct 27 14:21:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	128803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83712	49.960	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.920%		
35) Dibromofluoromethane	5.385	113	66193	46.111	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.220%		
50) Toluene-d8	8.647	98	248630	48.115	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.240%		
62) 4-Bromofluorobenzene	11.079	95	87028	45.993	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	542	Below Cal	#	44
6) Chloroethane	1.697	64	27	1.973	ug/l #	41
11) Tert butyl alcohol	2.934	59	1743	Below Cal	#	74
16) Acetone	2.380	43	22088	40.621	ug/l	98
18) Methyl Acetate	2.709	43	1566	0.848	ug/l #	79
20) Methylene Chloride	2.794	84	7528	5.392	ug/l	98
25) 2-Butanone	4.562	43	5340	6.290	ug/l	95
29) Tetrahydrofuran	5.032	42	267	0.487	ug/l #	39
31) Cyclohexane	5.550	56	2811	1.467	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	9673	5.238	ug/l #	50
37) Ethyl Acetate	4.721	43	15426	8.532	ug/l	99
38) Carbon Tetrachloride	5.550	117	13335	6.841	ug/l #	16
43) Isopropyl Acetate	6.342	43	69514	24.497	ug/l	99
48) Methyl methacrylate	7.799	41	63638	44.967	ug/l #	43
49) 1,4-Dioxane	7.806	88	46	1.620	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56823	31.945	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	368	1.988	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24707	11.920	ug/l #	66
56) Ethyl methacrylate	9.244	69	471	0.232	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3330	1.460	ug/l #	42
59) 2-Hexanone	9.482	43	44325	33.396	ug/l #	52
74) N-amyl acetate	10.640	43	14868	6.460	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	47664	27.553	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	47664	84.545	ug/l #	6
90) Hexachloroethane	12.646	117	1277	1.487	ug/l #	11

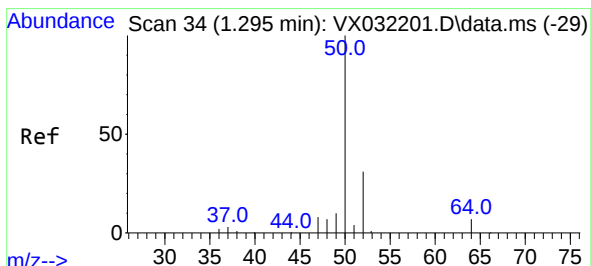
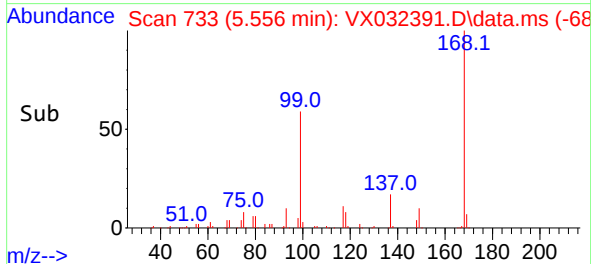
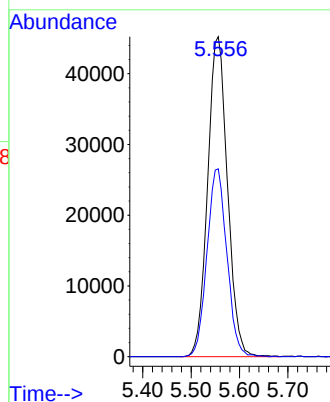
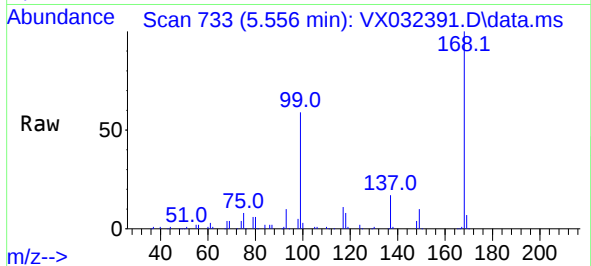
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

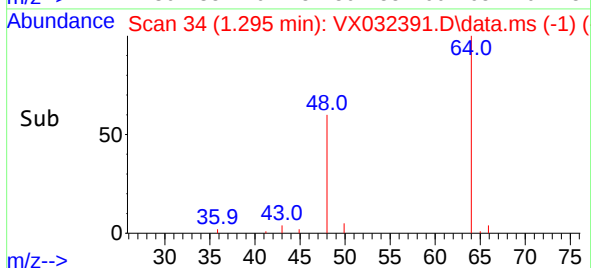
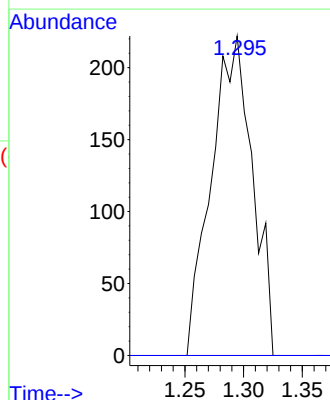
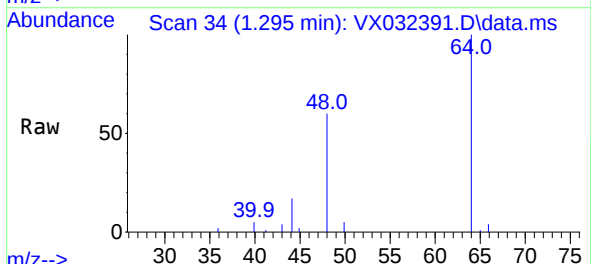
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

Tgt Ion:168 Resp: 128803
Ion Ratio Lower Upper
168 100
99 58.7 44.8 67.2

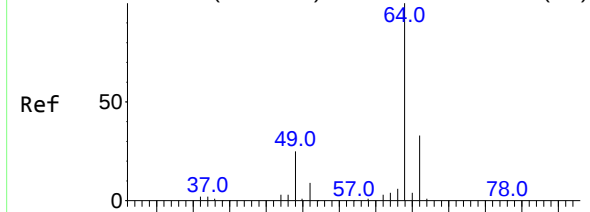


#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

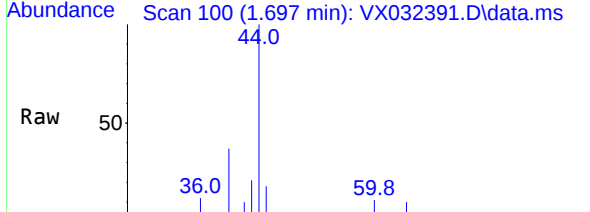
Tgt Ion: 50 Resp: 542
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



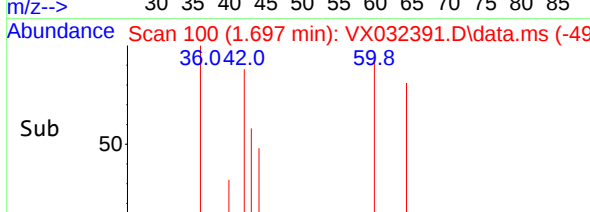
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



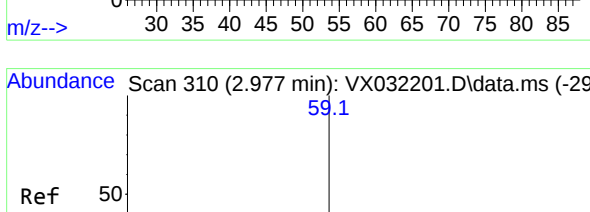
Abundance Scan 100 (1.697 min): VX032391.D\data.ms



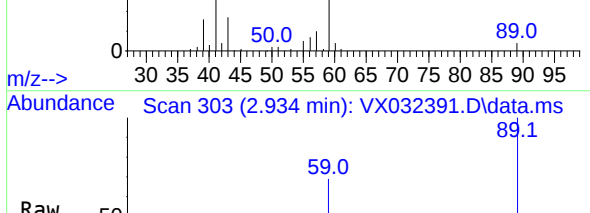
Abundance Scan 100 (1.697 min): VX032391.D\data.ms (-49)



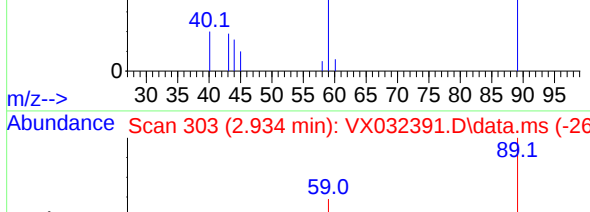
Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



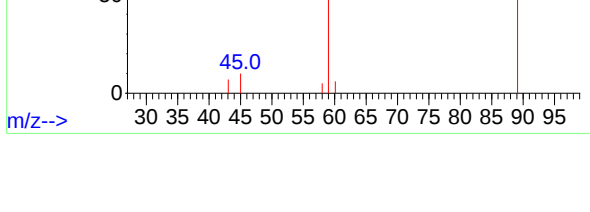
Abundance Scan 303 (2.934 min): VX032391.D\data.ms



Abundance Scan 303 (2.934 min): VX032391.D\data.ms (-26)



Abundance Scan 303 (2.934 min): VX032391.D\data.ms (-26)



#6

Chloroethane

Concen: 1.973 ug/l

RT: 1.697 min Scan# 10

Delta R.T. 0.012 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

TP4-1024

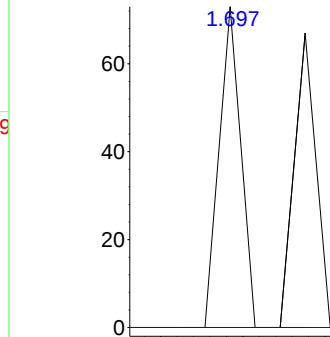
Tgt Ion: 64 Resp: 27

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#

Abundance



Time-->

#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.934 min Scan# 303

Delta R.T. -0.043 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

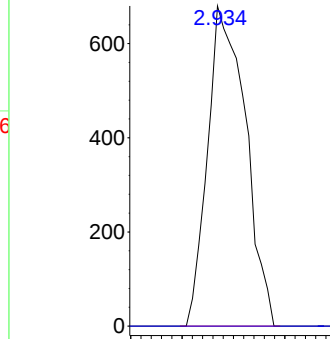
Tgt Ion: 59 Resp: 1743

Ion Ratio Lower Upper

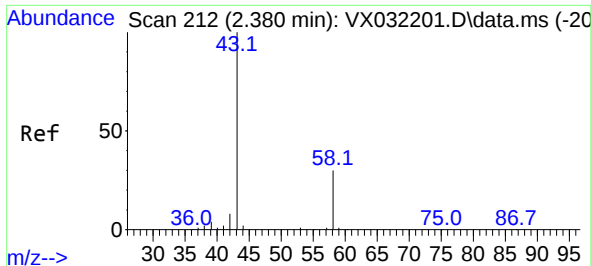
59 100

57 0.0 7.5 11.3#

Abundance



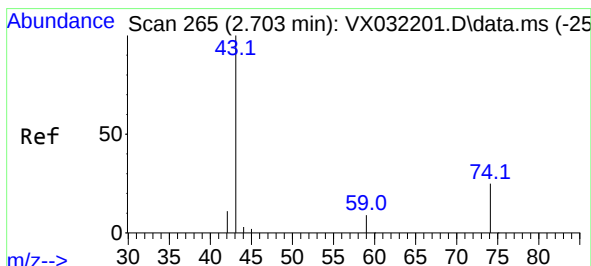
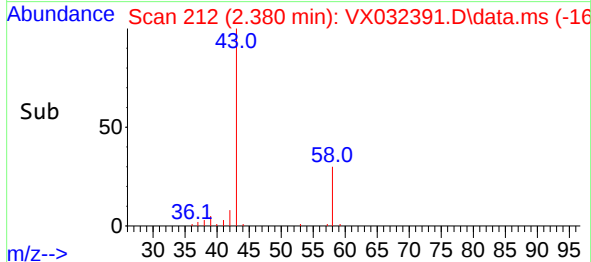
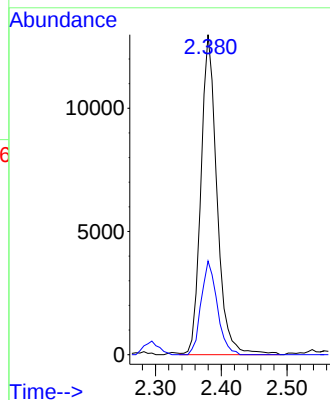
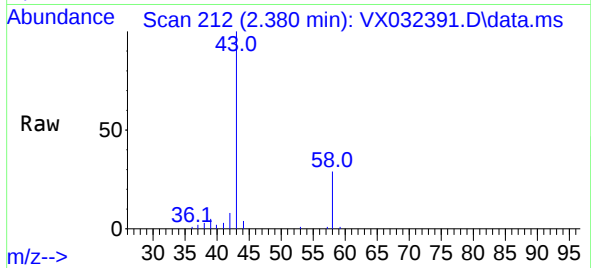
Time-->



#16
Acetone
Concen: 40.621 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

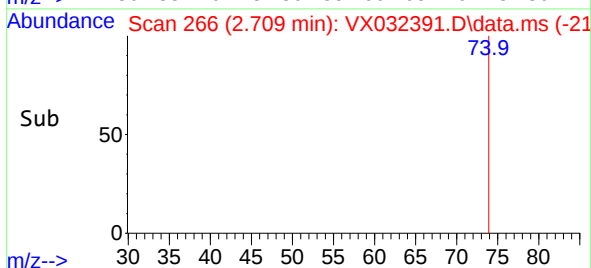
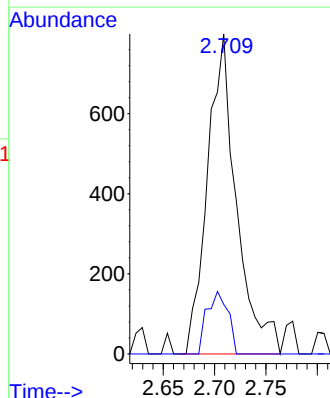
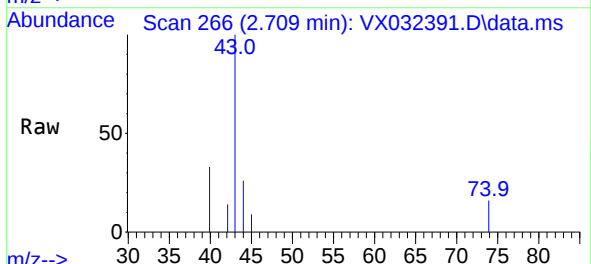
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

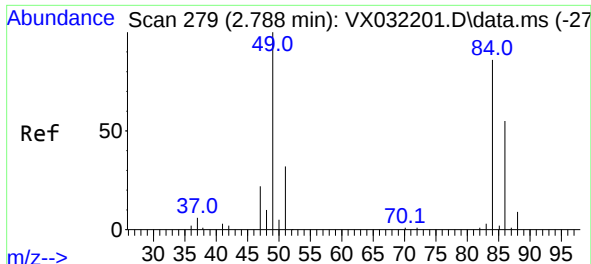
Tgt Ion: 43 Resp: 22088
Ion Ratio Lower Upper
43 100
58 29.2 24.2 36.2



#18
Methyl Acetate
Concen: 0.848 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 43 Resp: 1566
Ion Ratio Lower Upper
43 100
74 14.1 19.8 29.8#



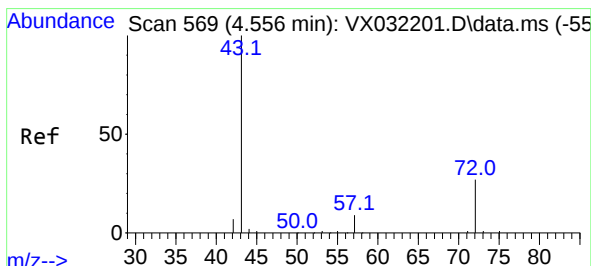
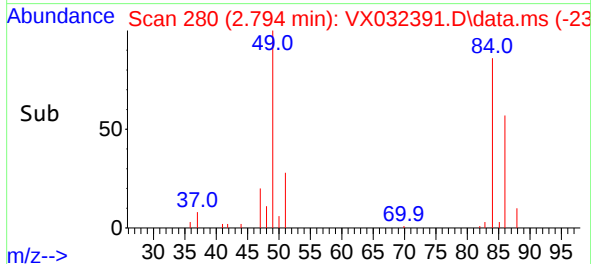
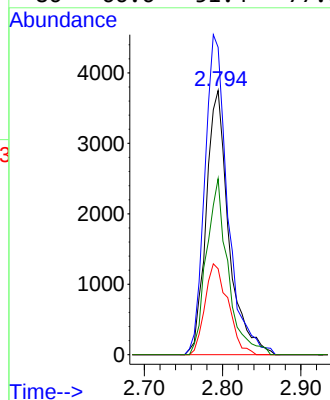
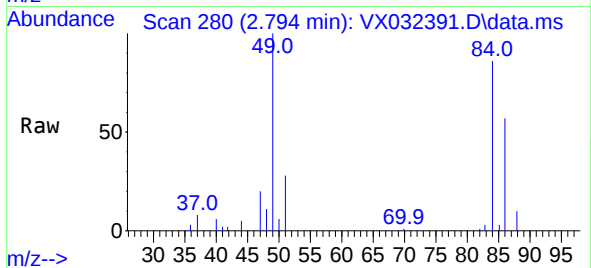


#20
Methylene Chloride
Concen: 5.392 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

Tgt Ion: 84 Resp: 7528

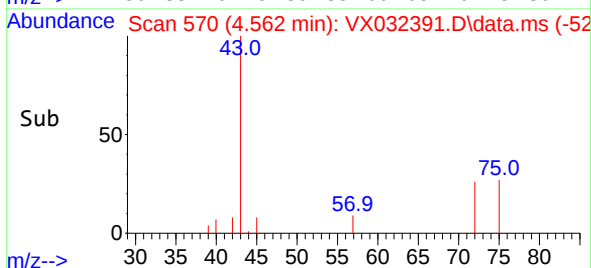
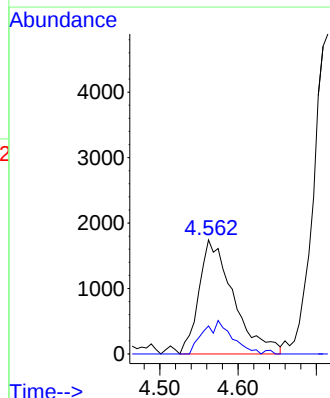
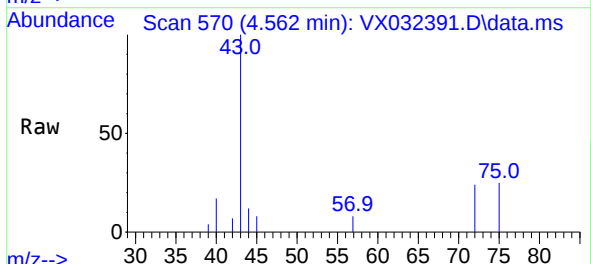
Ion	Ratio	Lower	Upper
84	100		
49	116.3	92.6	139.0
51	32.6	29.2	43.8
86	66.6	51.4	77.0

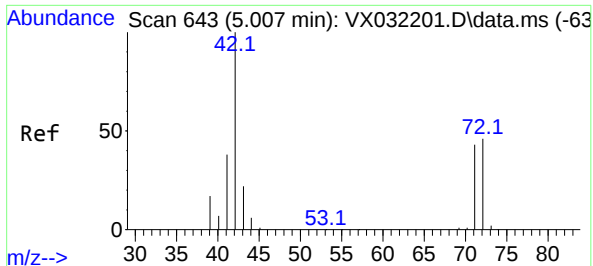


#25
2-Butanone
Concen: 6.290 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 43 Resp: 5340

Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

TP4-1024

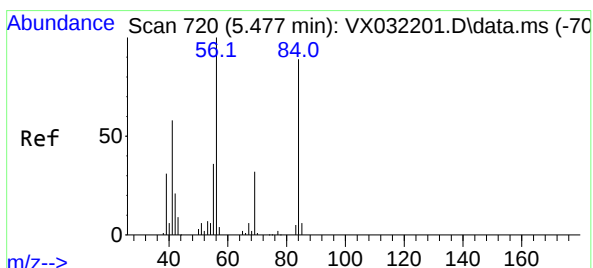
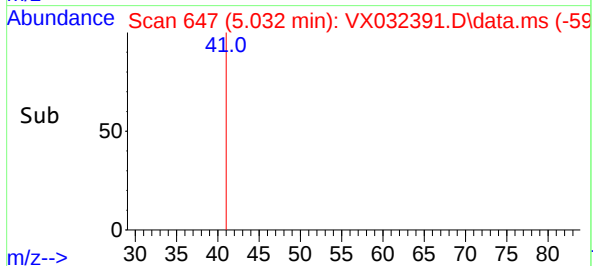
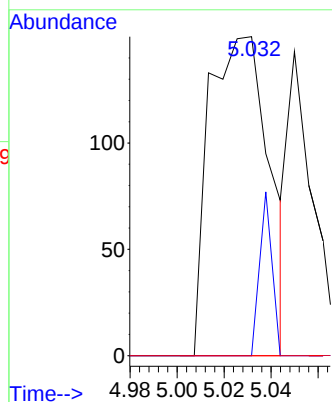
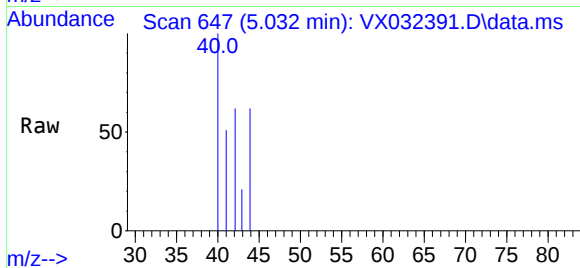
Tgt Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 10.5 37.5 56.3#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.467 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

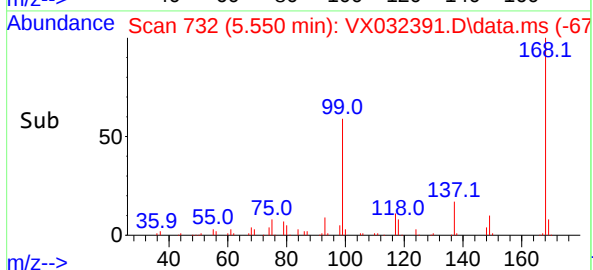
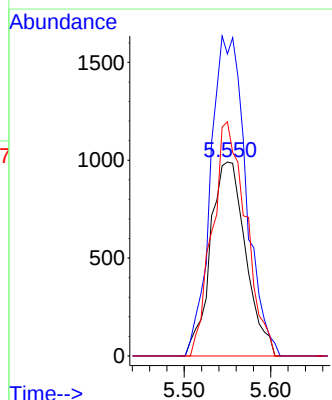
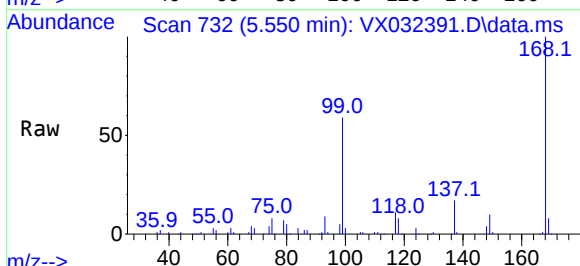
Tgt Ion: 56 Resp: 2811

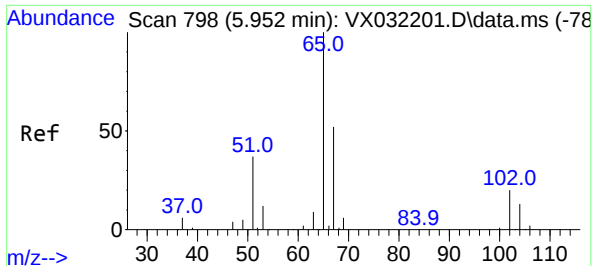
Ion Ratio Lower Upper

56 100

69 155.7 25.4 38.0#

84 120.8 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 49.960 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

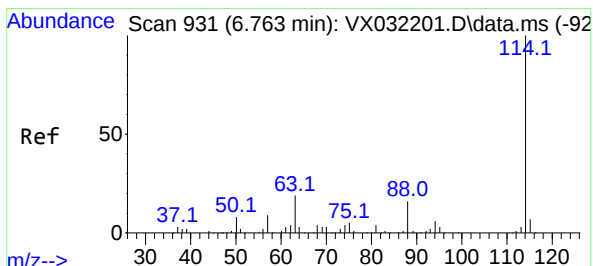
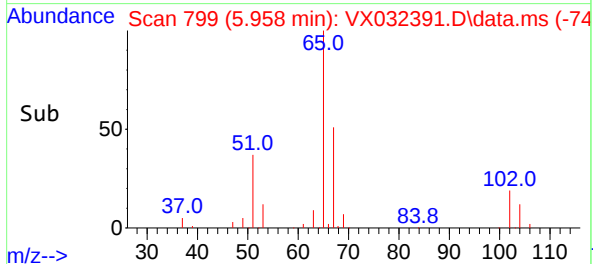
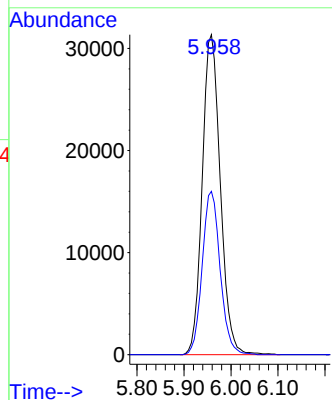
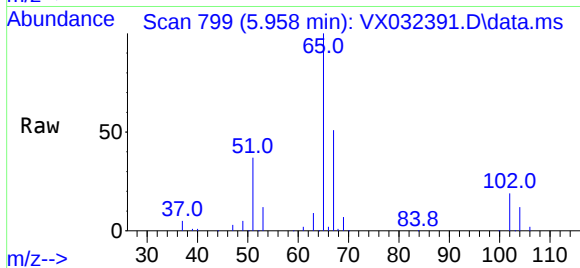
TP4-1024

Tgt Ion: 65 Resp: 83712

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

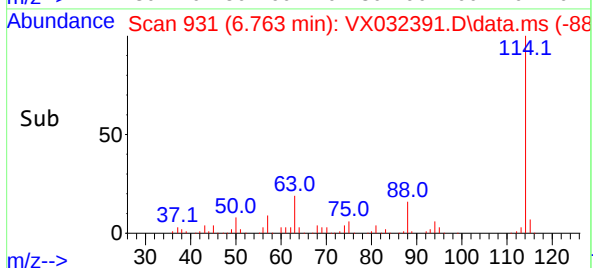
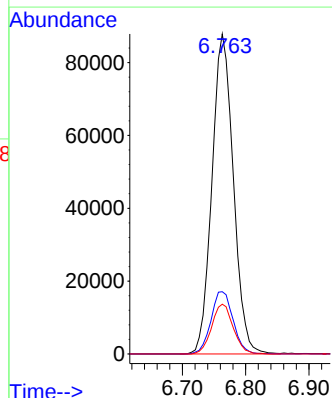
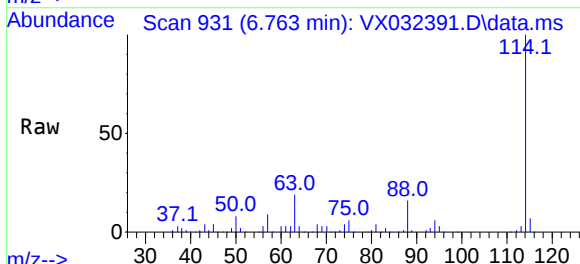
Tgt Ion: 114 Resp: 206290

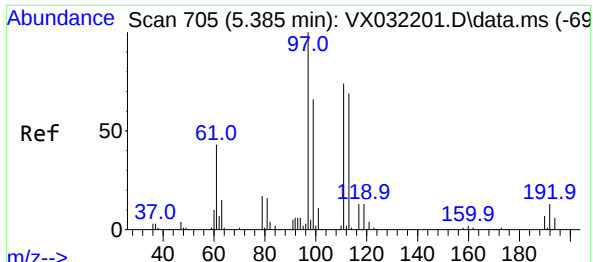
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

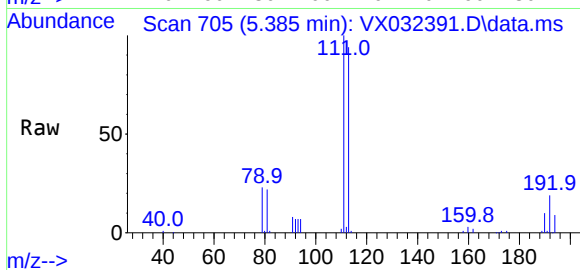
88 15.5 0.0 32.6



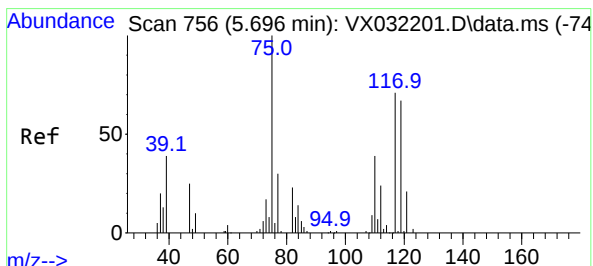
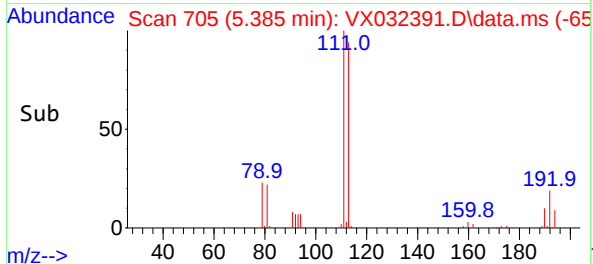
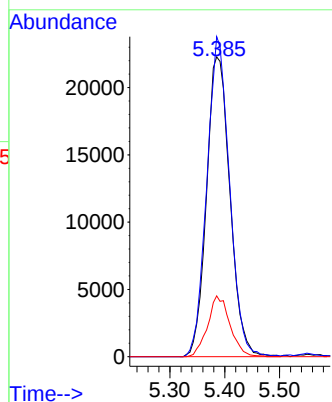


#35
Dibromofluoromethane
Concen: 46.111 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

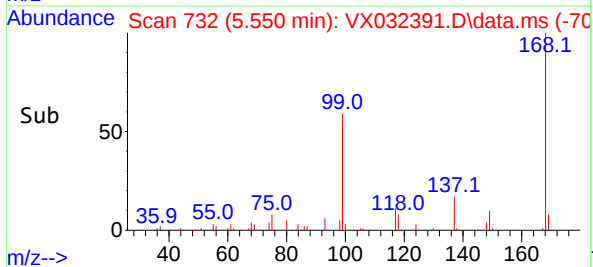
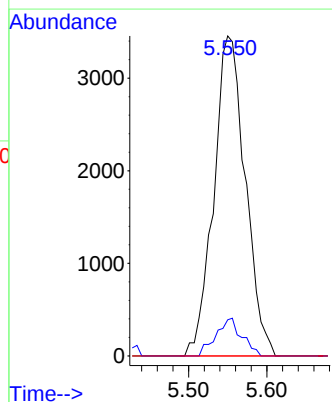
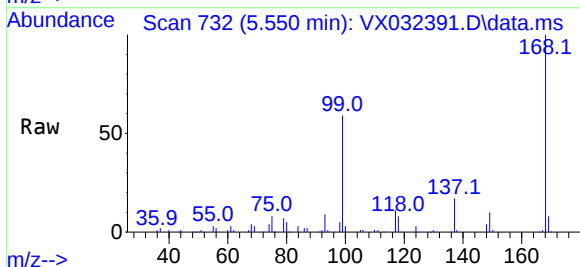


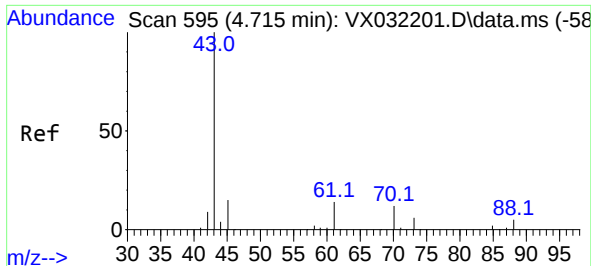
Tgt Ion:113 Resp: 66193
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.3 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.238 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 75 Resp: 9673
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.0#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.532 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

TP4-1024

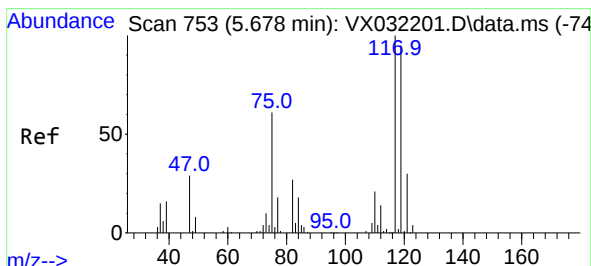
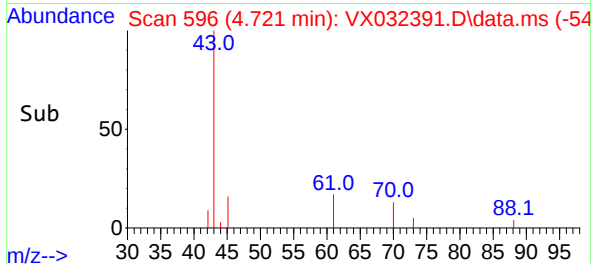
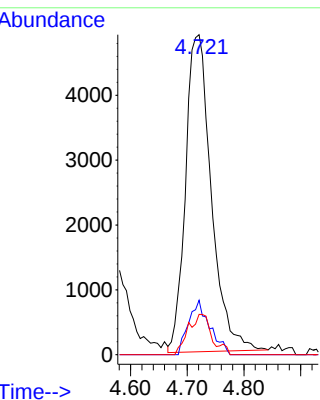
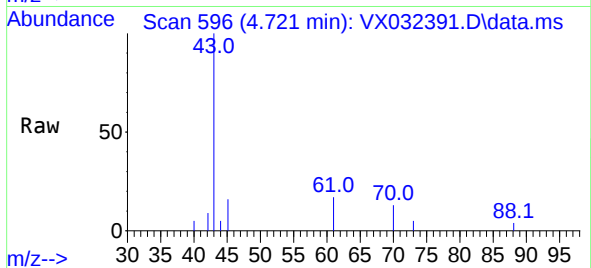
Tgt Ion: 43 Resp: 15426

Ion Ratio Lower Upper

43 100

61 14.1 11.4 17.2

70 11.7 8.8 13.2



#38

Carbon Tetrachloride

Concen: 6.841 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

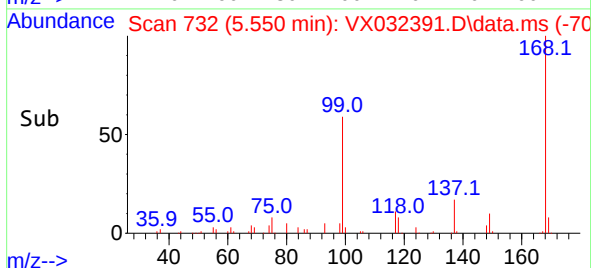
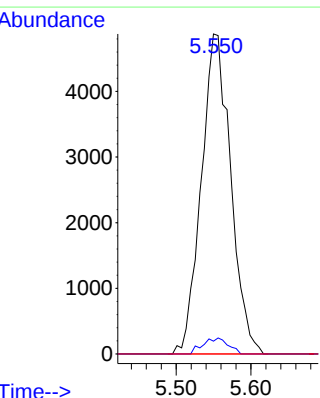
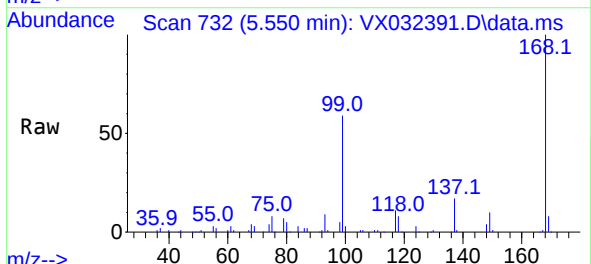
Tgt Ion: 117 Resp: 13335

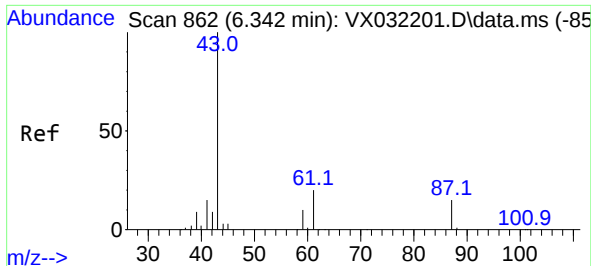
Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

121 0.0 23.9 35.9#

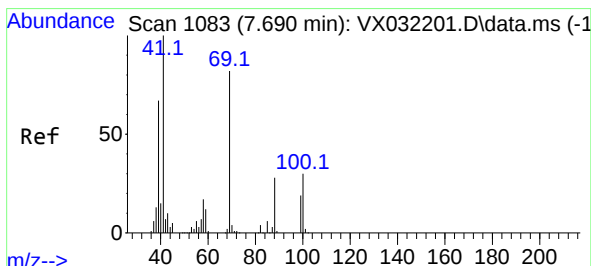
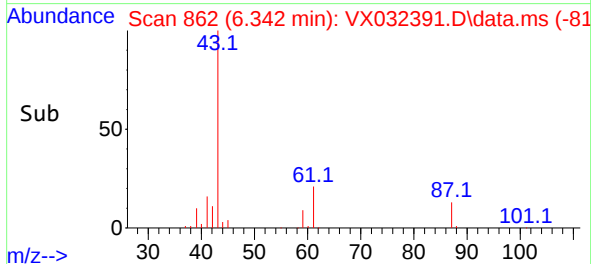
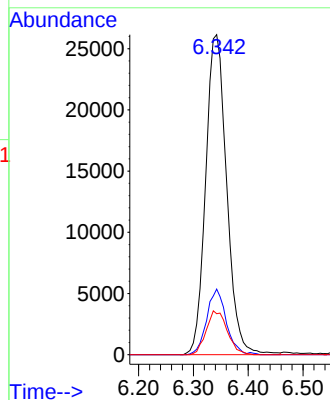
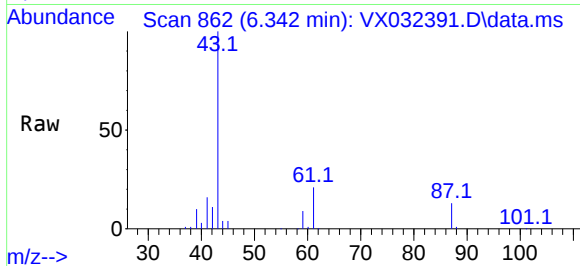




#43
Isopropyl Acetate
Concen: 24.497 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

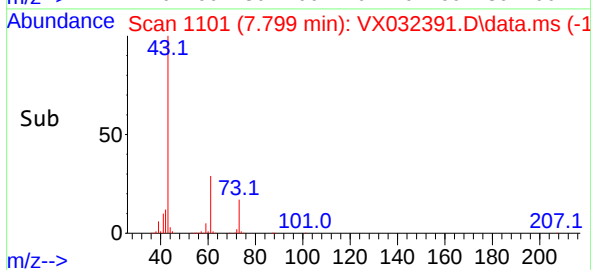
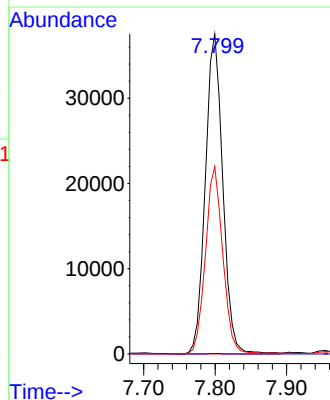
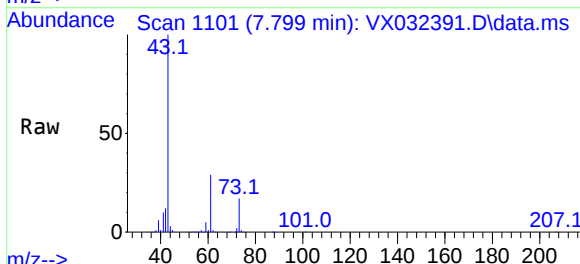
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

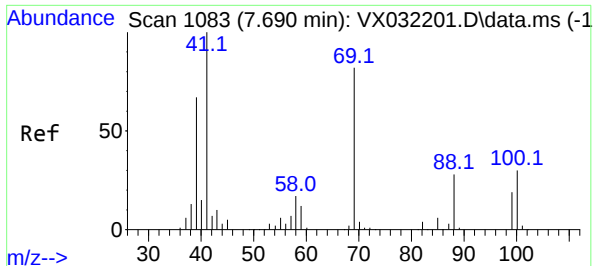
Tgt Ion: 43 Resp: 69514
Ion Ratio Lower Upper
43 100
61 18.9 15.5 23.3
87 13.7 11.0 16.6



#48
Methyl methacrylate
Concen: 44.967 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 41 Resp: 63638
Ion Ratio Lower Upper
41 100
69 0.1 67.3 100.9#
39 58.1 53.8 80.8

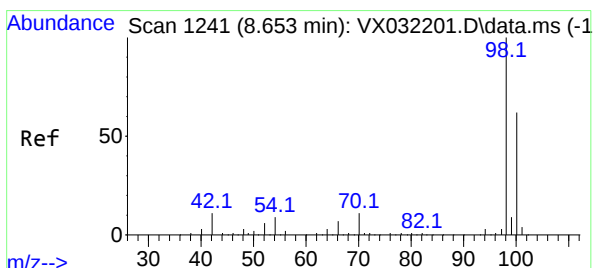
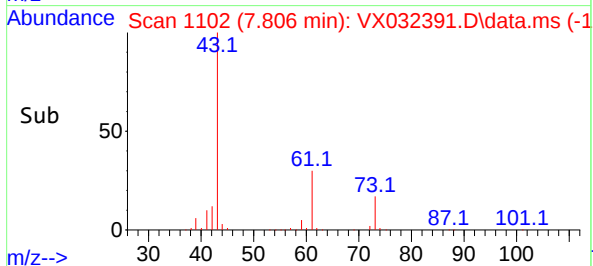
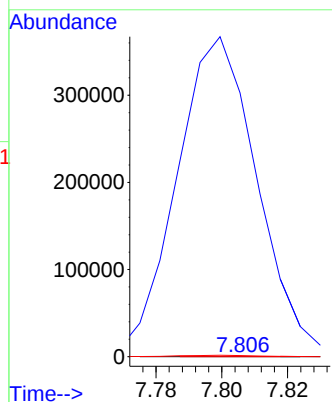
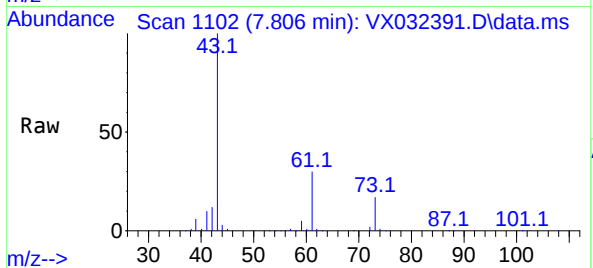




#49
1,4-Dioxane
Concen: 1.620 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.116 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

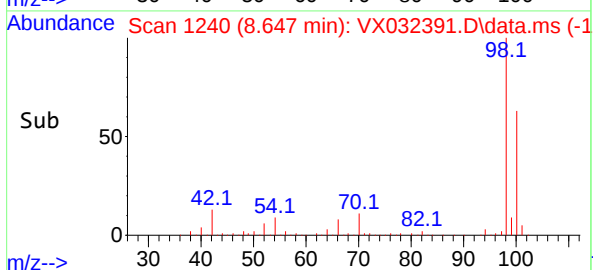
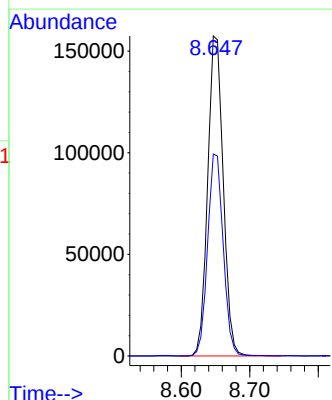
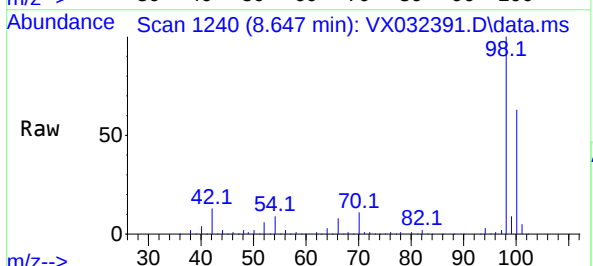
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

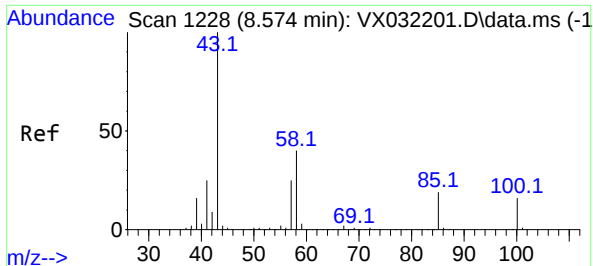
Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 1375589.1 26.9 40.3#
58 5891.3 50.7 76.1#



#50
Toluene-d8
Concen: 48.115 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 98 Resp: 248630
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 31.945 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

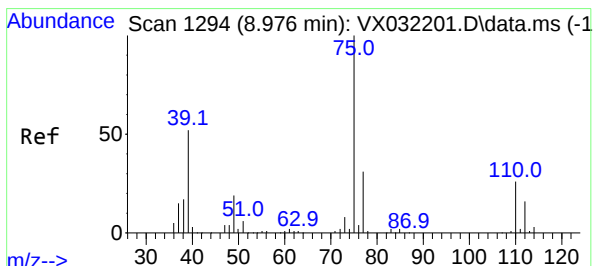
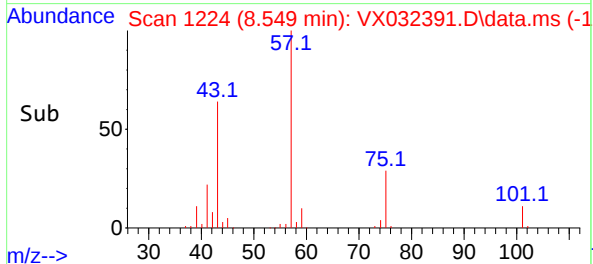
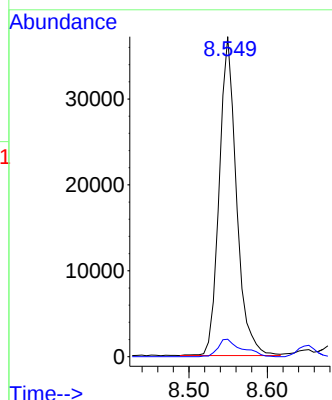
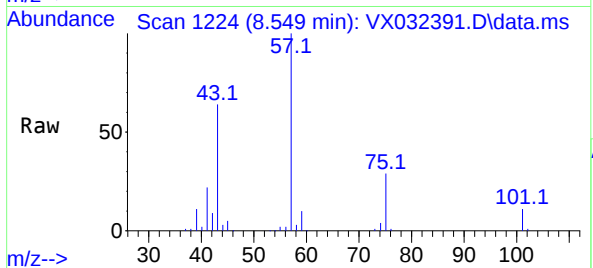
TP4-1024

Tgt Ion: 43 Resp: 56823

Ion Ratio Lower Upper

43 100

58 7.5 31.0 46.4#



#53

t-1,3-Dichloropropene

Concen: 1.988 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX032391.D

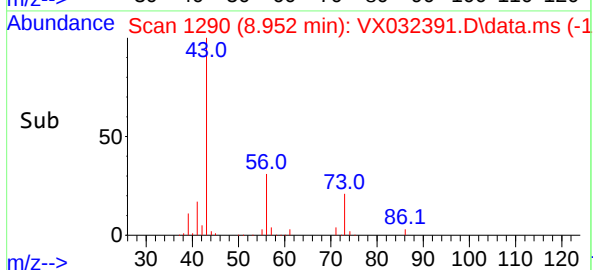
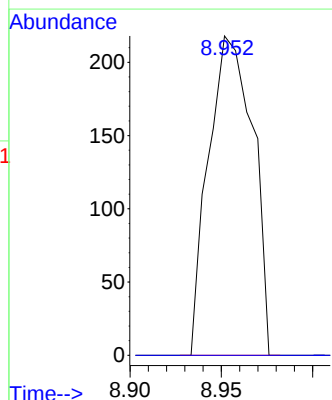
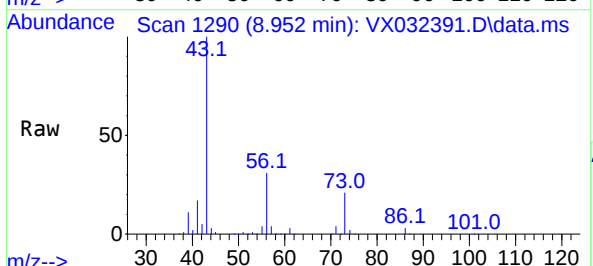
Acq: 26 Oct 2022 02:06

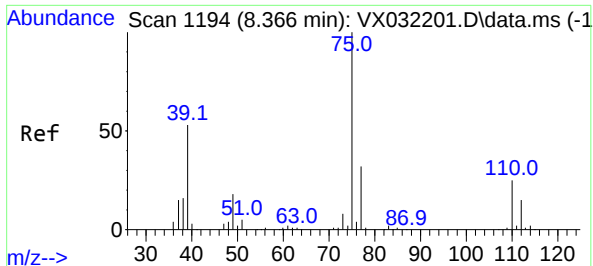
Tgt Ion: 75 Resp: 368

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#





#54

cis-1,3-Dichloropropene

Concen: 11.920 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

TP4-1024

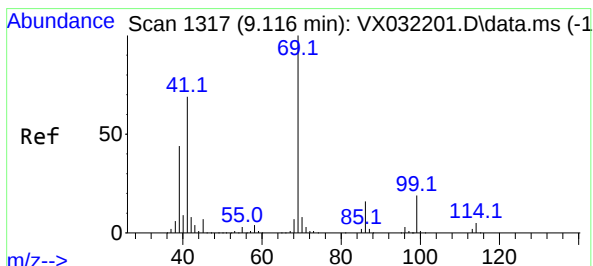
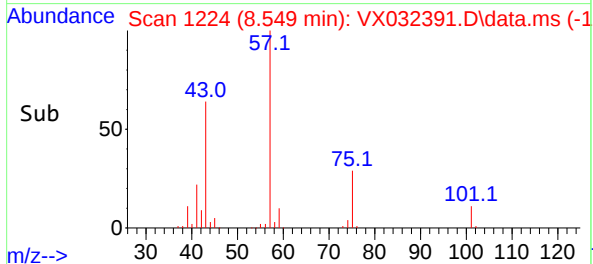
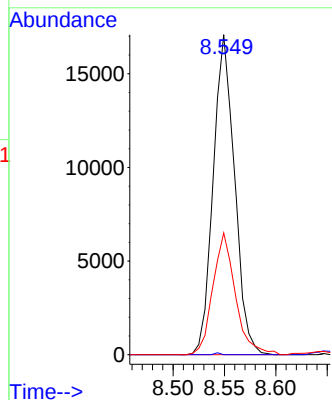
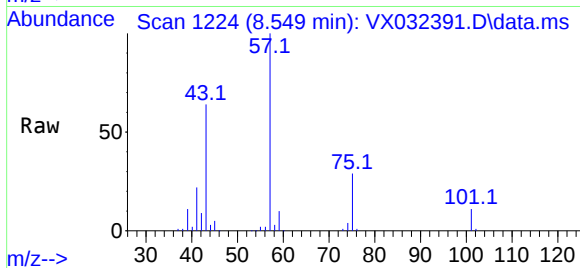
Tgt Ion: 75 Resp: 24707

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 38.1 42.4 63.6#



#56

Ethyl methacrylate

Concen: 0.232 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX032391.D

Acq: 26 Oct 2022 02:06

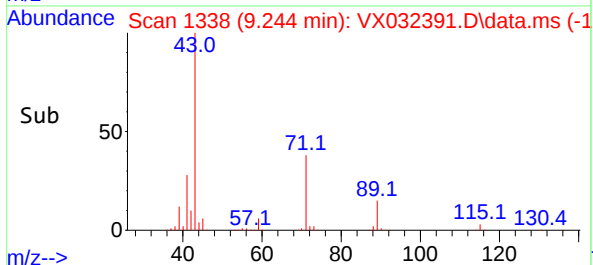
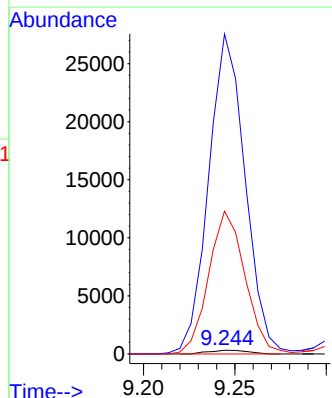
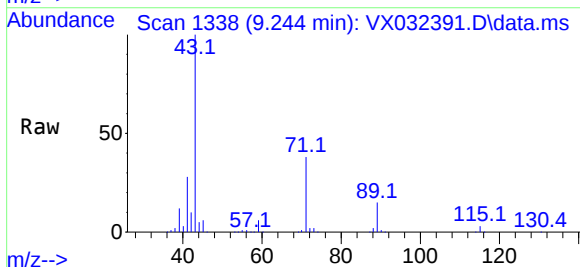
Tgt Ion: 69 Resp: 471

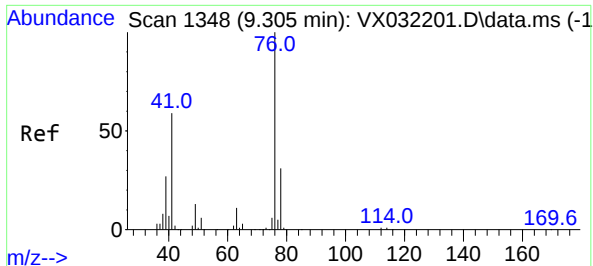
Ion Ratio Lower Upper

69 100

41 8139.7 54.5 81.7#

39 3620.0 35.7 53.5#

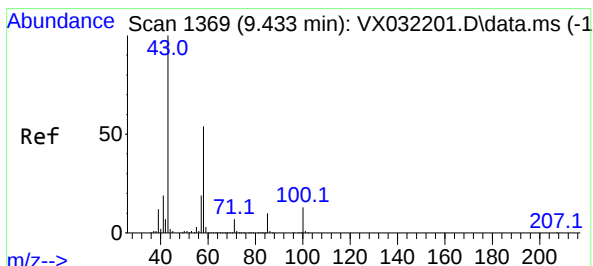
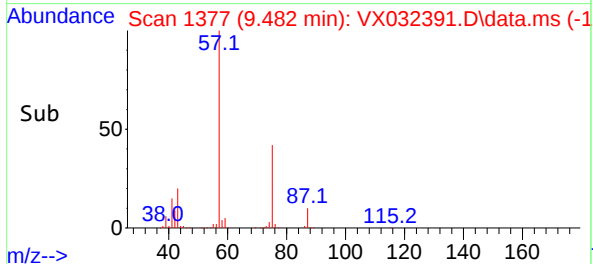
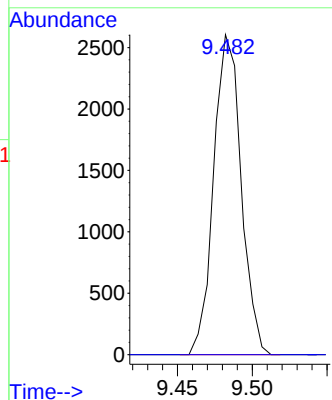
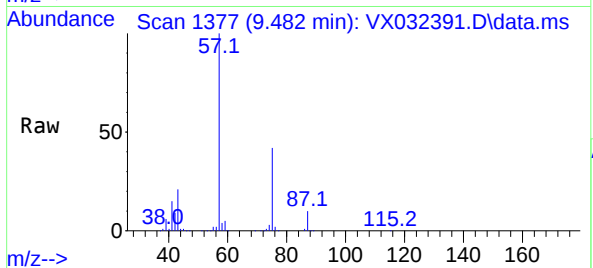




#57
1,3-Dichloropropane
Concen: 1.460 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

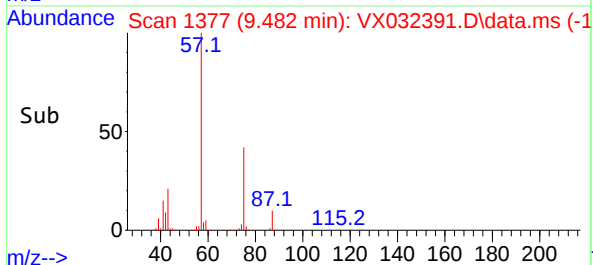
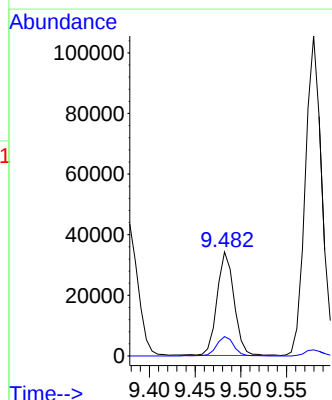
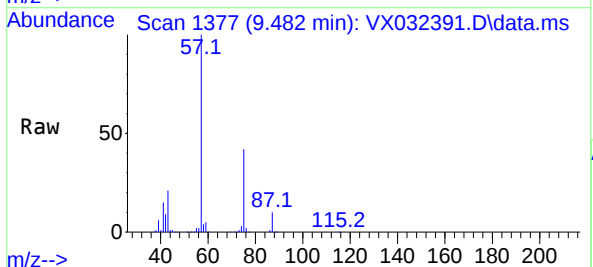
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

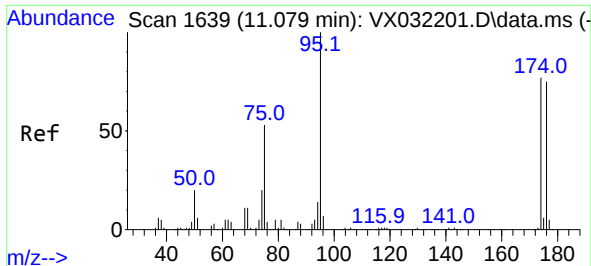
Tgt Ion: 76 Resp: 3330
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 33.396 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 43 Resp: 44325
Ion Ratio Lower Upper
43 100
58 19.0 26.7 80.1#

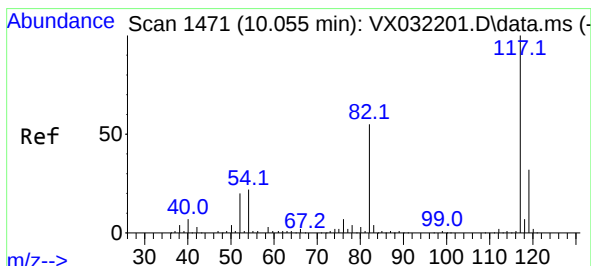
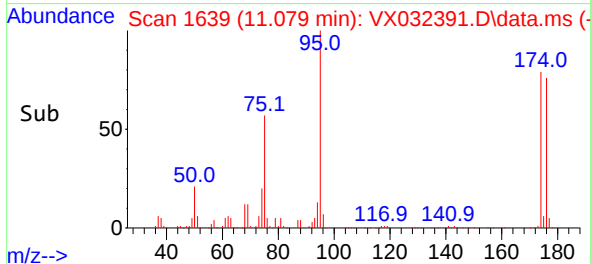
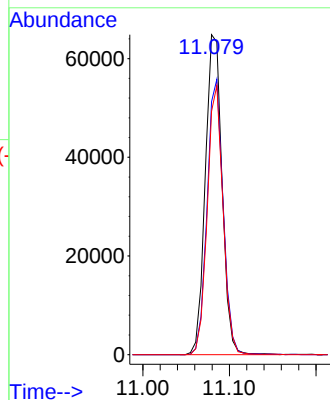
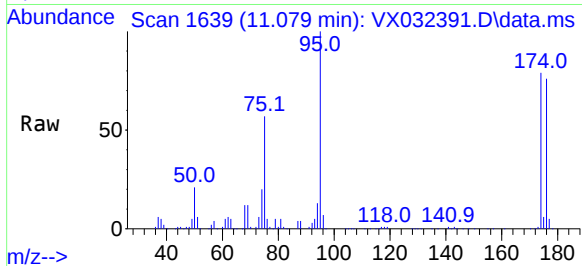




#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

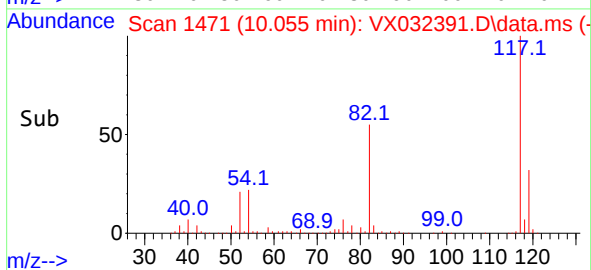
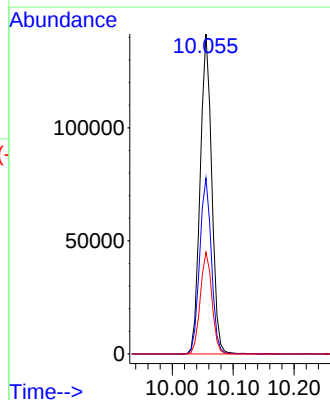
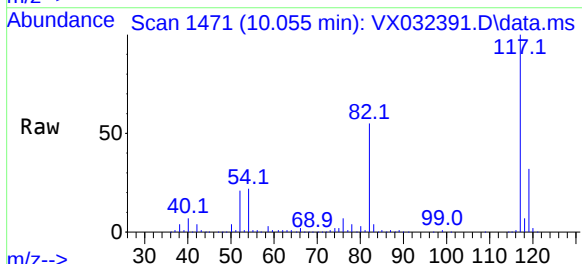
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

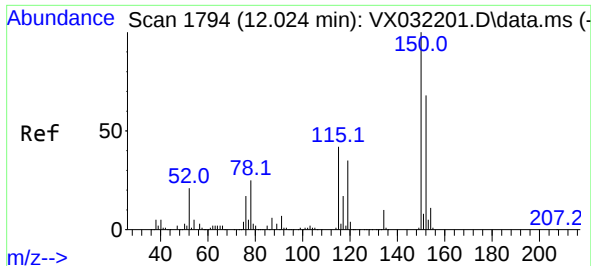
Tgt Ion: 95 Resp: 87028
Ion Ratio Lower Upper
95 100
174 82.6 0.0 166.8
176 79.1 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 117 Resp: 186700
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.4
119 31.8 25.8 38.8

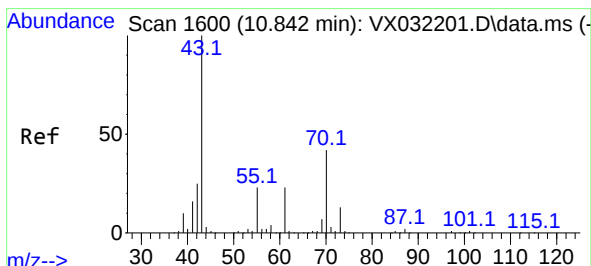
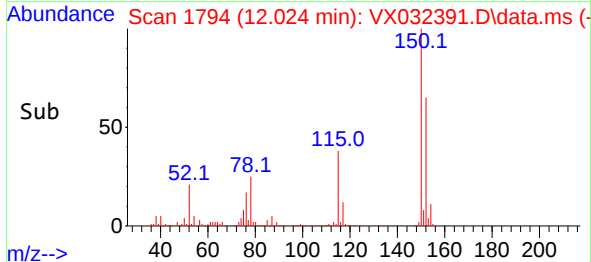
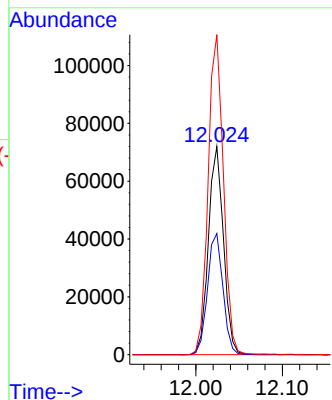
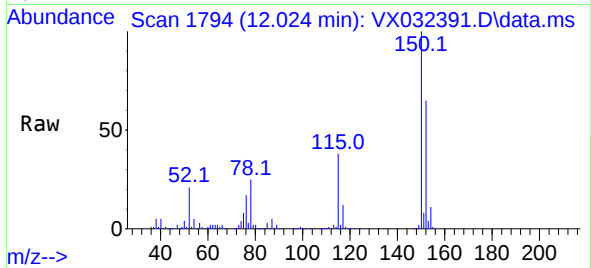




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

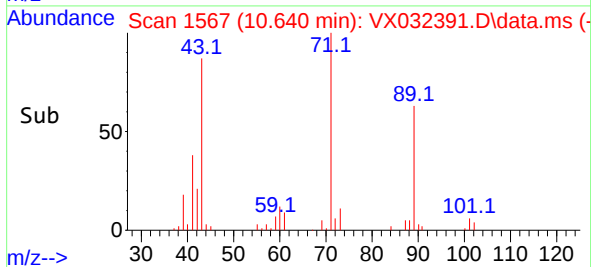
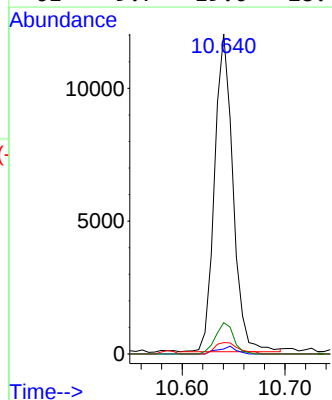
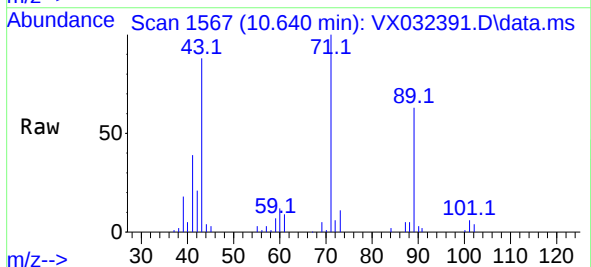
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

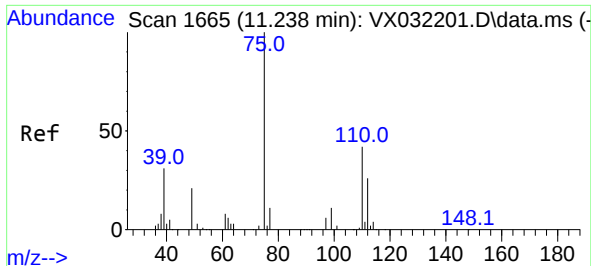
Tgt Ion:152 Resp: 87305
Ion Ratio Lower Upper
152 100
115 59.4 43.1 129.4
150 155.4 0.0 348.6



#74
N-ethyl acetate
Concen: 6.460 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

Tgt Ion: 43 Resp: 14868
Ion Ratio Lower Upper
43 100
70 2.3 33.9 50.9#
55 4.6 19.1 28.7#
61 9.7 19.0 28.4#

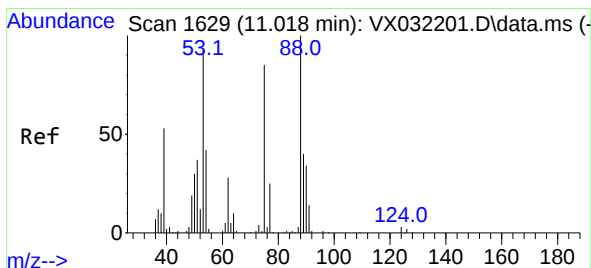
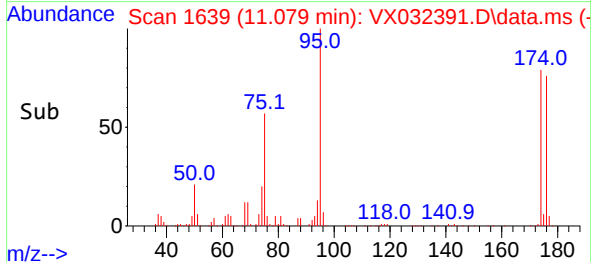
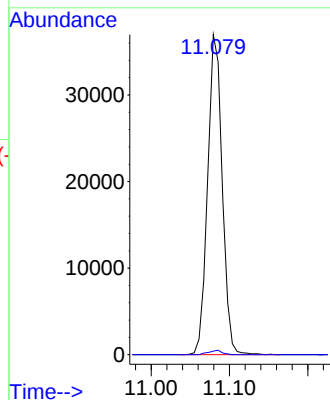
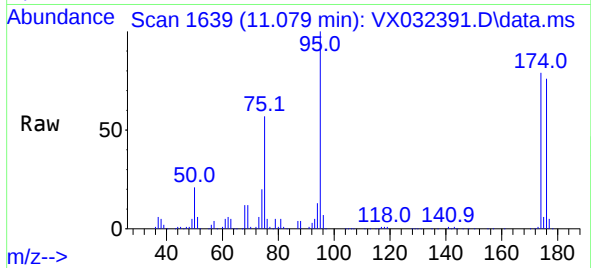




#76
1,2,3-Trichloropropane
Concen: 27.553 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

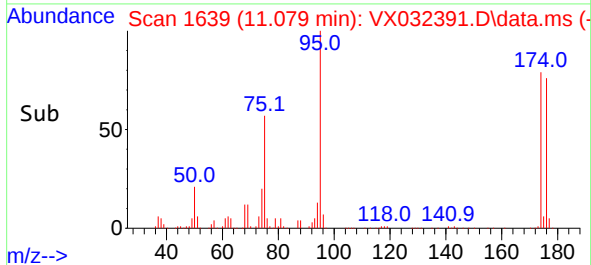
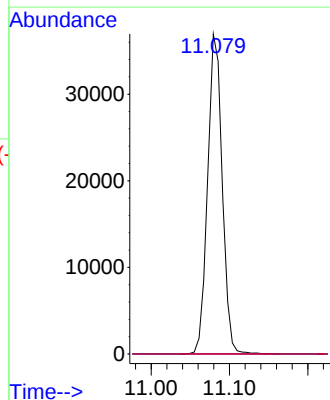
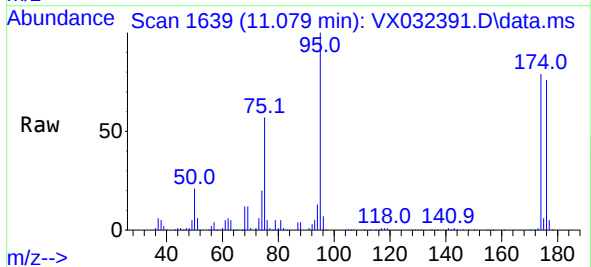
Instrument :
MSVOA_X
ClientSampleId :
TP4-1024

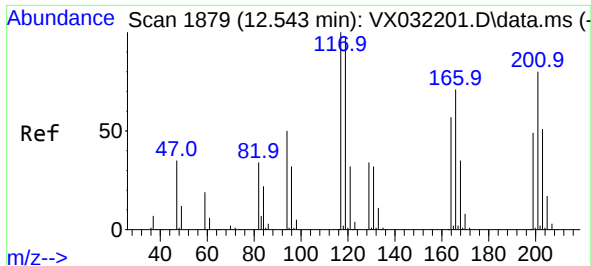
Tgt Ion: 75 Resp: 47664
Ion Ratio Lower Upper
75 100
77 1.3 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032391.D
Acq: 26 Oct 2022 02:06

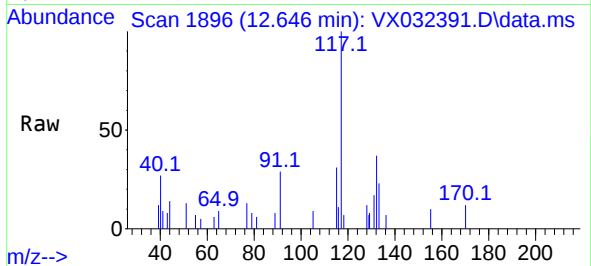
Tgt Ion: 75 Resp: 47664
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#





#90
 Hexachloroethane
 Concen: 1.487 ug/l
 RT: 12.646 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VX032391.D
 Acq: 26 Oct 2022 02:06

Instrument :
 MSVOA_X
 ClientSampleId :
 TP4-1024



Tgt Ion:117 Resp: 1277
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.5 115.3#

