

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050624\
 Data File : VX041391.D
 Acq On : 06 May 2024 19:54
 Operator : JC/MD
 Sample : P2355-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 07 02:05:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

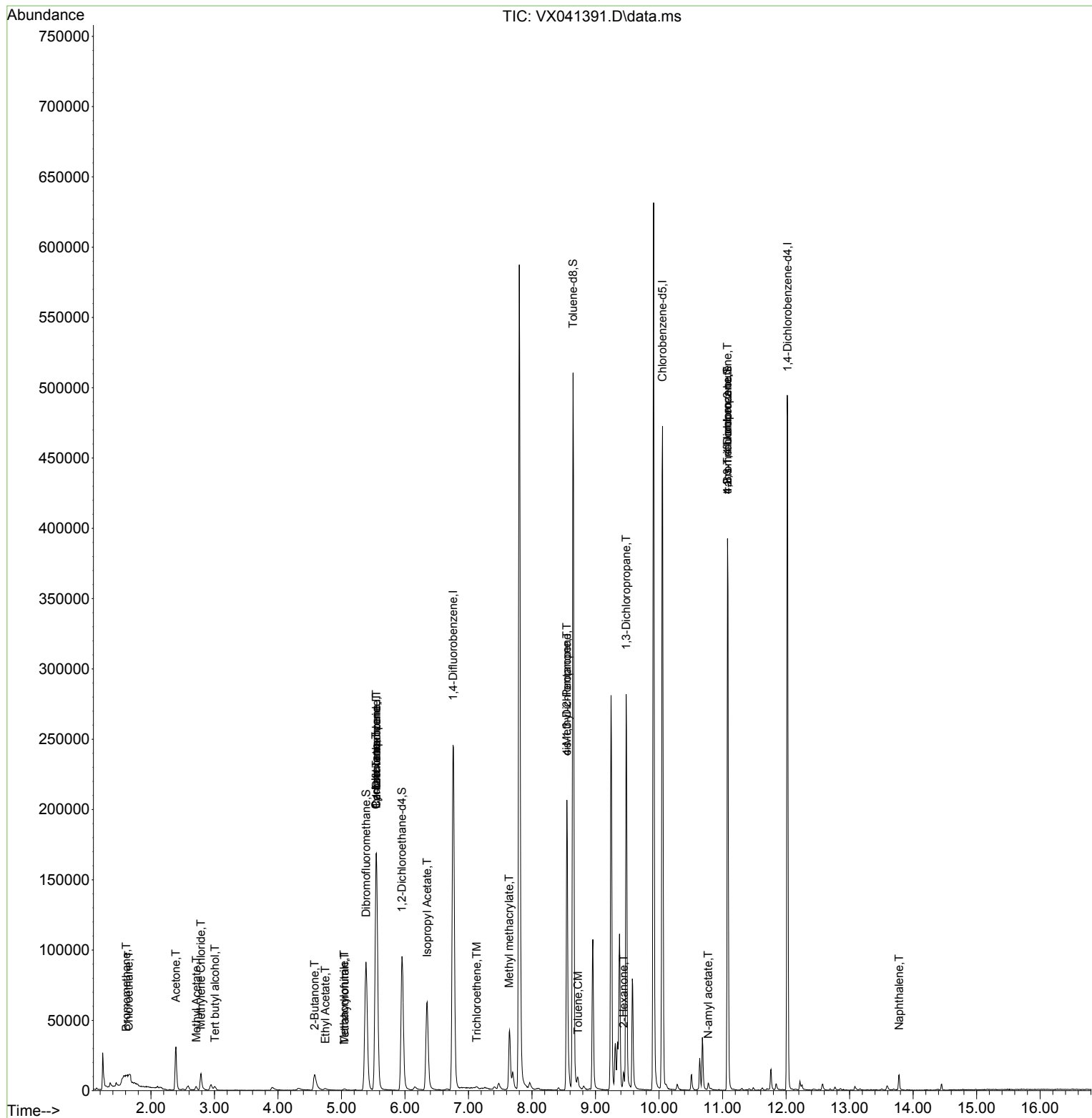
Internal Standards						
1) Pentafluorobenzene	5.550	168	182992	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	273018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96874	48.629	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.260%
35) Dibromofluoromethane	5.385	113	78701	42.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.080%
50) Toluene-d8	8.647	98	301381	51.466	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.940%
62) 4-Bromofluorobenzene	11.079	95	95831	42.275	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.540%
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	378	0.407	ug/l	# 52
6) Chloroethane	1.648	64	213	0.309	ug/l	89
11) Tert butyl alcohol	3.007	59	3889	9.754	ug/l	# 91
16) Acetone	2.392	43	34878	36.416	ug/l	100
18) Methyl Acetate	2.715	43	3813	1.871	ug/l	91
20) Methylene Chloride	2.788	84	6243	3.610	ug/l	87
25) 2-Butanone	4.574	43	23722	18.398	ug/l	99
29) Tetrahydrofuran	5.050	42	561	0.665	ug/l	93
31) Cyclohexane	5.544	56	2883	1.199	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	11560	5.225	ug/l	# 51
37) Ethyl Acetate	4.745	43	2000	0.725	ug/l	# 88
38) Carbon Tetrachloride	5.550	117	16067	6.339	ug/l	# 14
41) Methacrylonitrile	5.044	41	436	0.307	ug/l	# 42
43) Isopropyl Acetate	6.348	43	90308	21.759	ug/l	97
44) Trichloroethene	7.129	130	382	0.212	ug/l	52
48) Methyl methacrylate	7.641	41	3331	1.751	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.549	43	75435	30.289	ug/l	# 51
52) Toluene	8.726	92	2735	0.656	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	33289	14.008	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	2449	0.913	ug/l	# 42
59) 2-Hexanone	9.439	43	7434	3.733	ug/l	91
74) N-amyl acetate	10.774	43	2668	0.891	ug/l	# 50
76) 1,2,3-Trichloropropane	11.079	75	48558	26.549	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48558	72.317	ug/l	# 5
95) Naphthalene	13.780	128	7733	1.006	ug/l	99

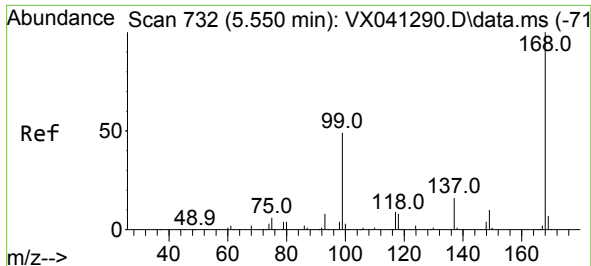
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

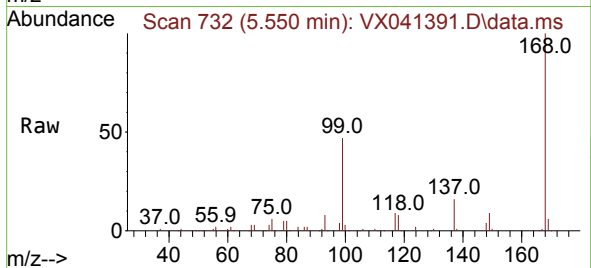
Quant Time: May 07 02:05:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
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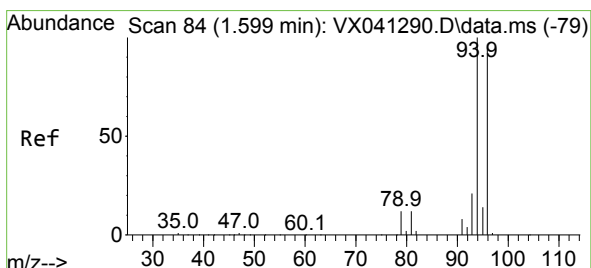
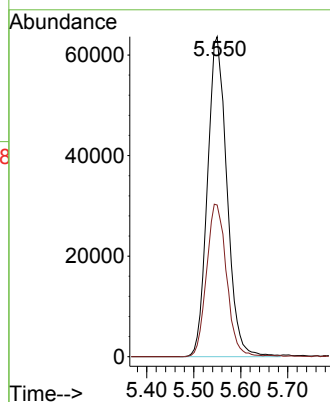
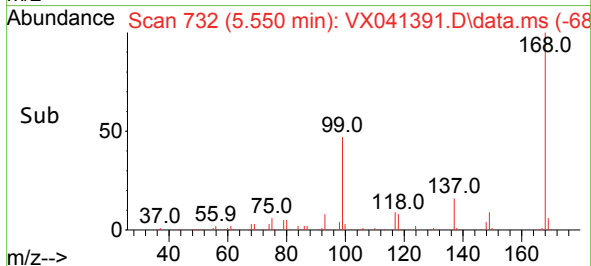


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Instrument :
MSVOA_X
ClientSampleId :

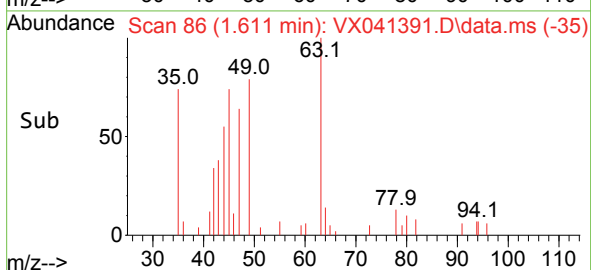
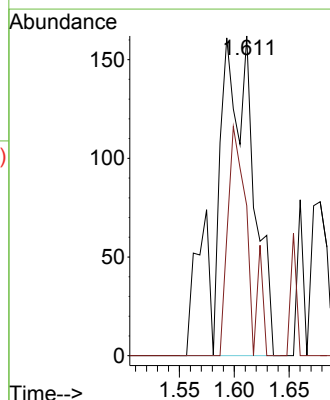
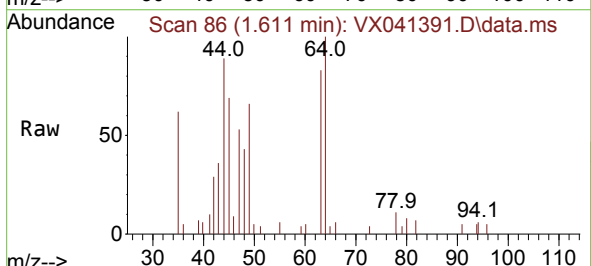


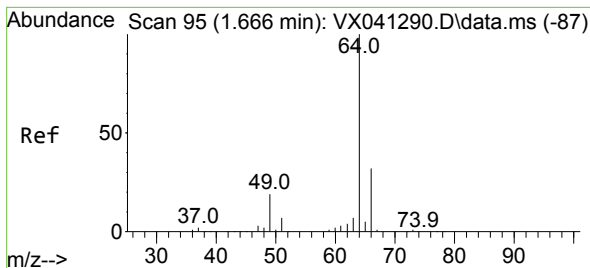
Tgt Ion:168 Resp: 182992
Ion Ratio Lower Upper
168 100
99 47.4 56.6 85.0#



#5
Bromomethane
Concen: 0.407 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 46.9 74.6 111.8#





#6

Chloroethane

Concen: 0.309 ug/l

RT: 1.648 min Scan# 91

Delta R.T. -0.018 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

Instrument :

MSVOA_X

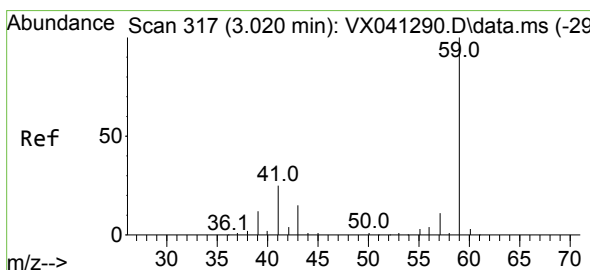
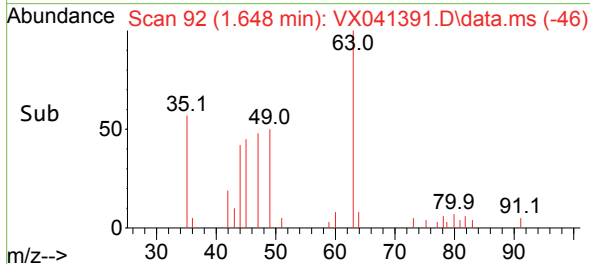
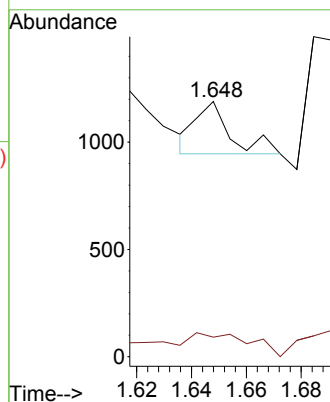
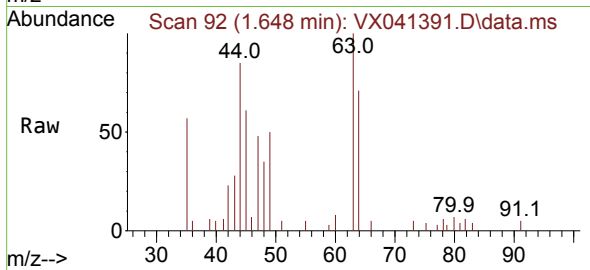
ClientSampleId :

Tgt Ion: 64 Resp: 213

Ion Ratio Lower Upper

64 100

66 37.3 25.1 37.7



#11

Tert butyl alcohol

Concen: 9.754 ug/l

RT: 3.007 min Scan# 315

Delta R.T. -0.012 min

Lab File: VX041391.D

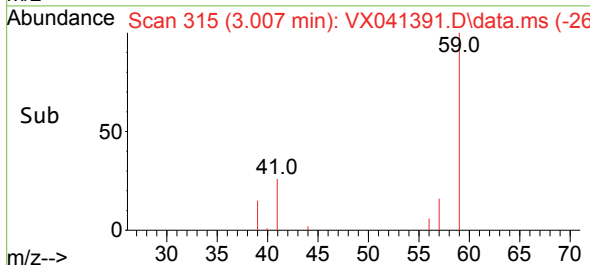
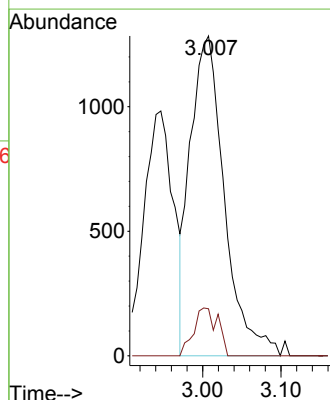
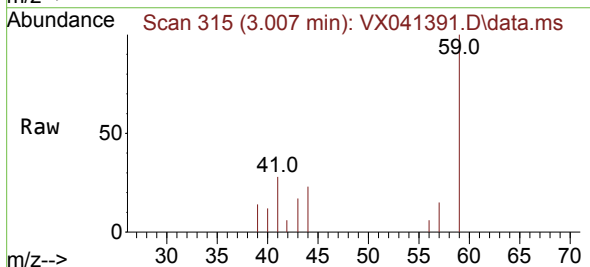
Acq: 06 May 2024 19:54

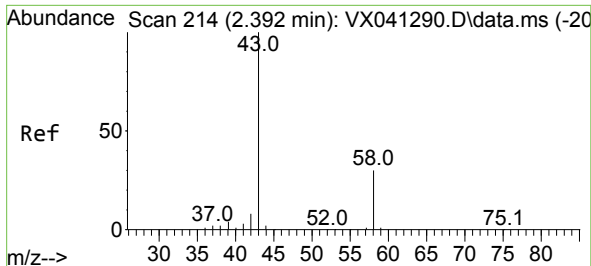
Tgt Ion: 59 Resp: 3889

Ion Ratio Lower Upper

59 100

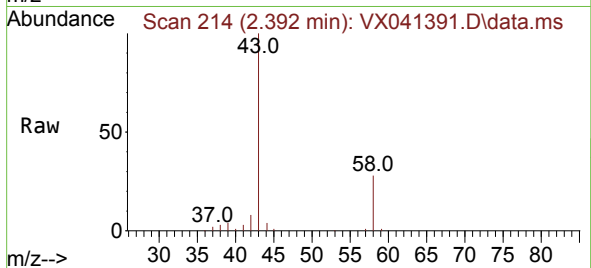
57 10.5 6.0 9.0#



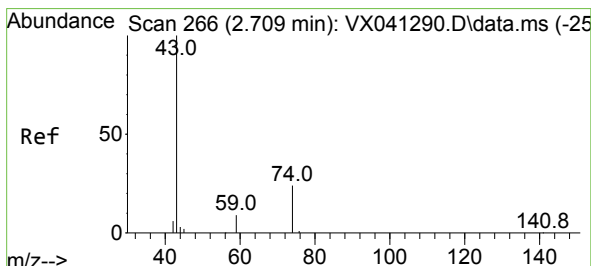
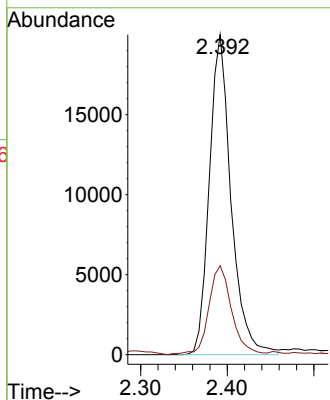
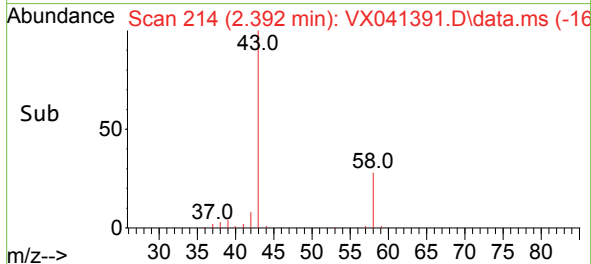


#16
Acetone
Concen: 36.416 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

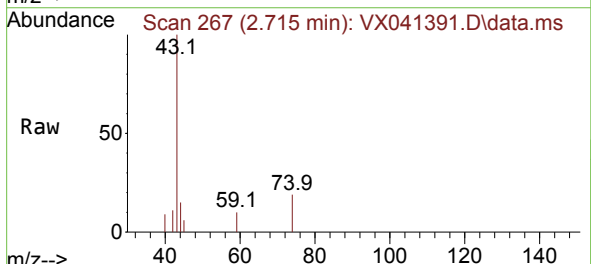
Instrument :
MSVOA_X
ClientSampleId :



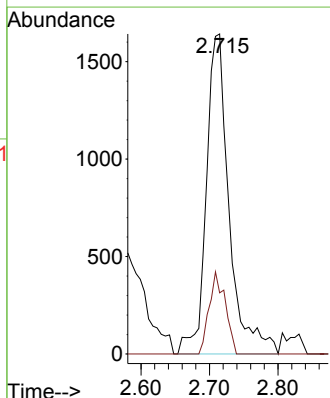
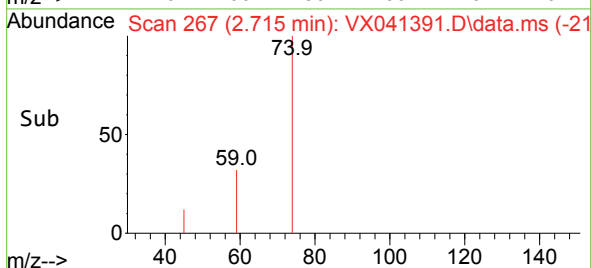
Tgt Ion: 43 Resp: 34878
Ion Ratio Lower Upper
43 100
58 27.5 21.9 32.9

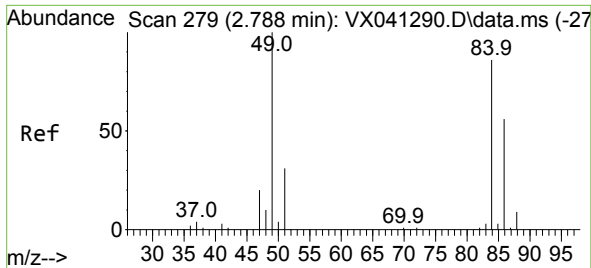


#18
Methyl Acetate
Concen: 1.871 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54



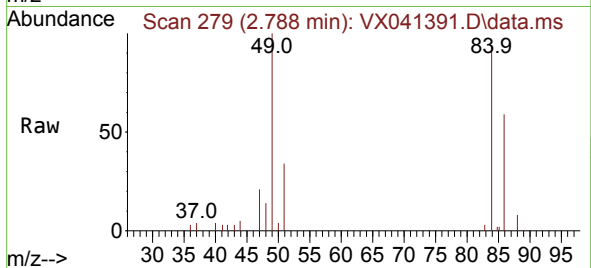
Tgt Ion: 43 Resp: 3813
Ion Ratio Lower Upper
43 100
74 18.1 17.8 26.8



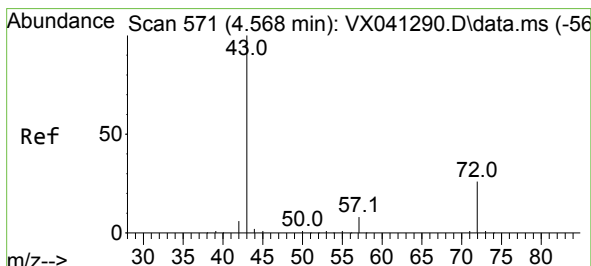
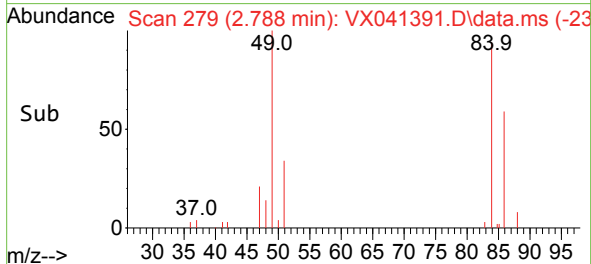
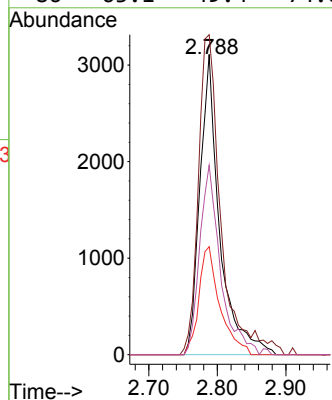


#20
Methylene Chloride
Concen: 3.610 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Instrument :
MSVOA_X
ClientSampleId :

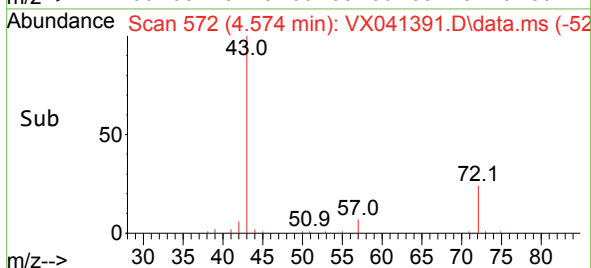
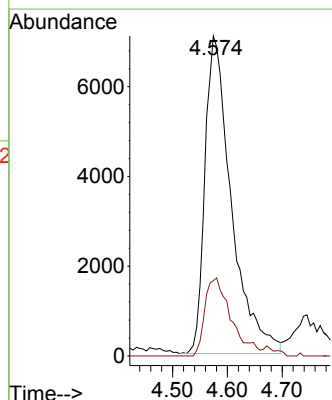
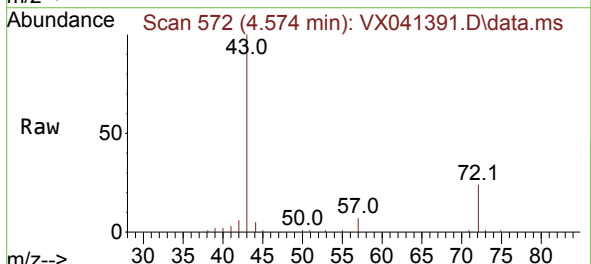


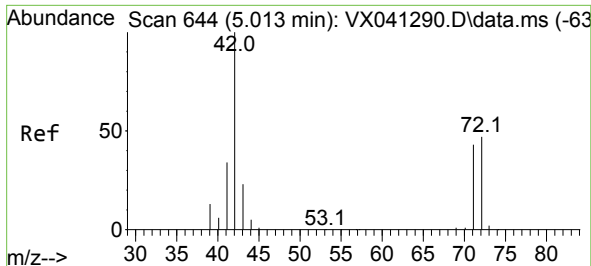
Tgt Ion: 84	Resp: 6243
Ion Ratio	Lower Upper
84 100	
49 106.6	103.6 155.4
51 36.0	33.8 50.6
86 63.1	49.4 74.0



#25
2-Butanone
Concen: 18.398 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 43	Resp: 23722		
Ion Ratio	Lower	Upper	
43 100			
72 23.7	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.665 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX041391.D

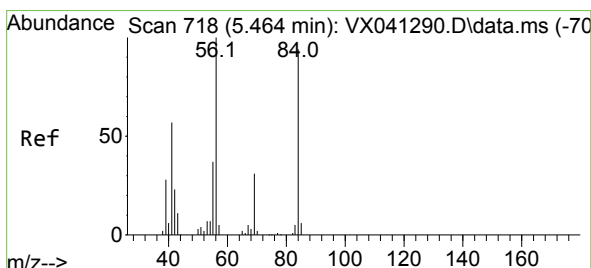
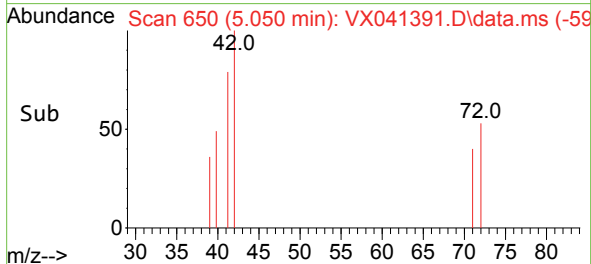
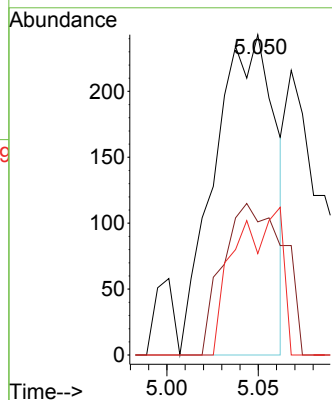
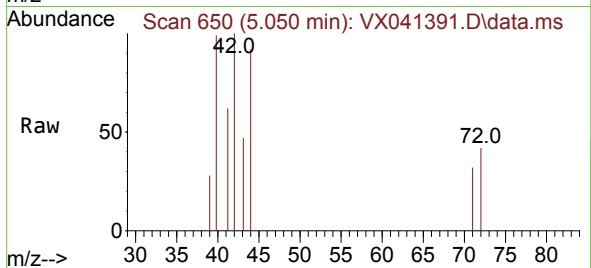
Acq: 06 May 2024 19:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	561
Ion	Ratio	Lower	Upper
42	100		
72	46.9	34.2	51.4
71	35.5	32.2	48.2



#31

Cyclohexane

Concen: 1.199 ug/l

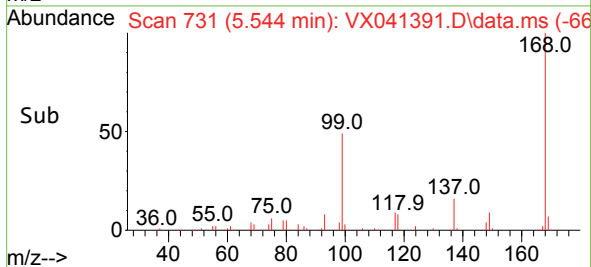
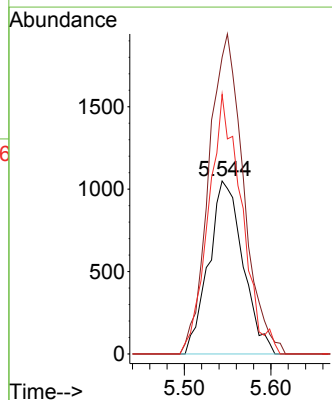
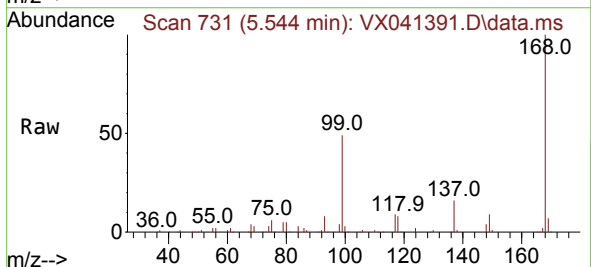
RT: 5.544 min Scan# 731

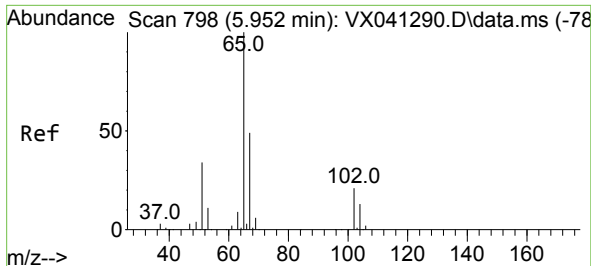
Delta R.T. 0.079 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

Tgt Ion:	56	Resp:	2883
Ion	Ratio	Lower	Upper
56	100		
69	171.4	23.4	35.2#
84	150.0	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.629 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

Instrument :

MSVOA_X

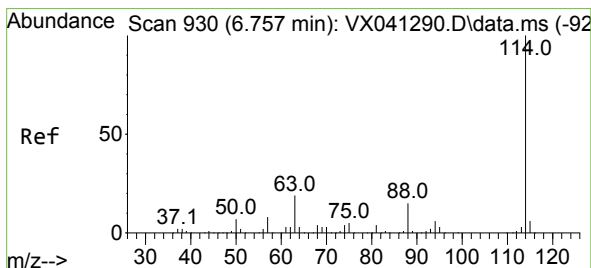
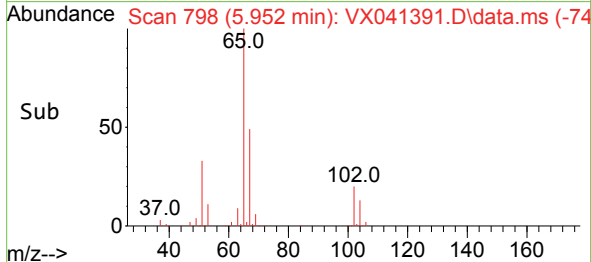
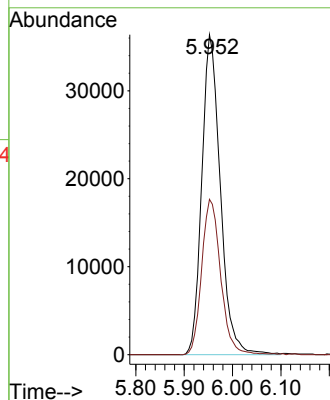
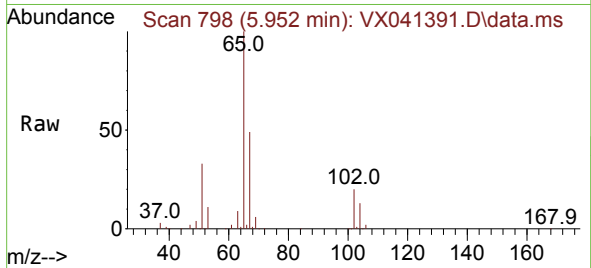
ClientSampleId :

Tgt Ion: 65 Resp: 96874

Ion Ratio Lower Upper

65 100

67 49.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

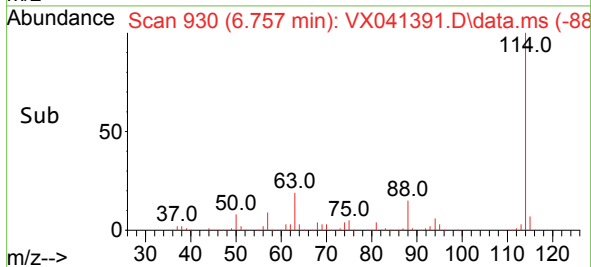
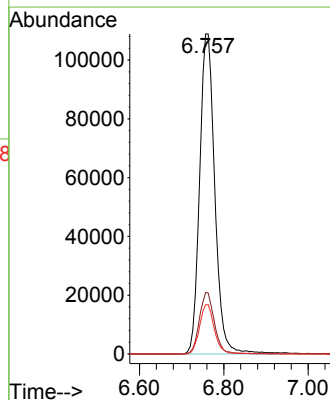
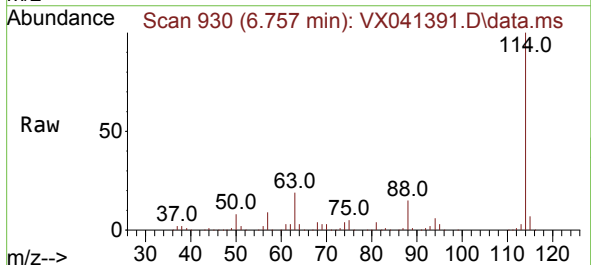
Tgt Ion: 114 Resp: 273018

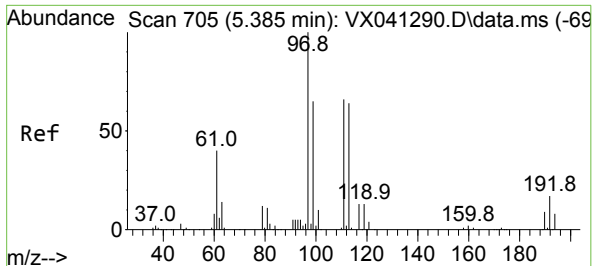
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 15.3 0.0 36.6

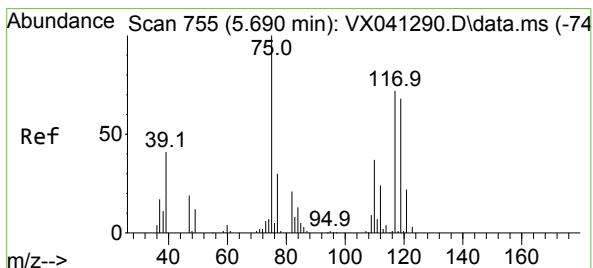
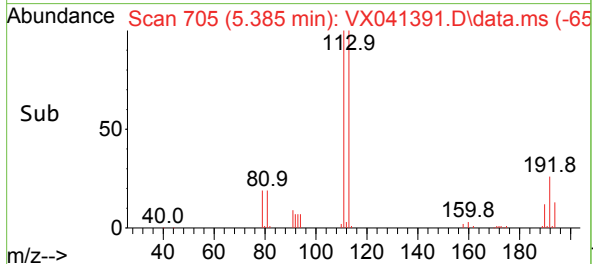
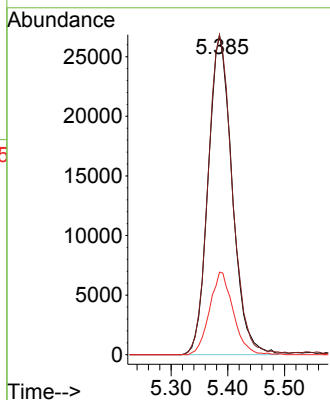
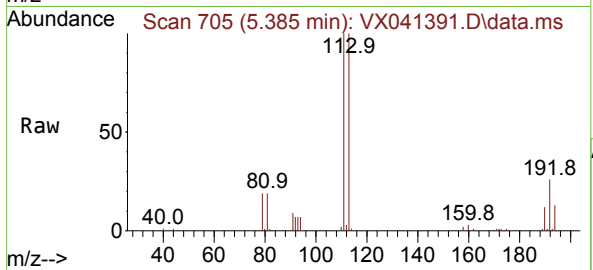




#35
Dibromofluoromethane
Concen: 42.537 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

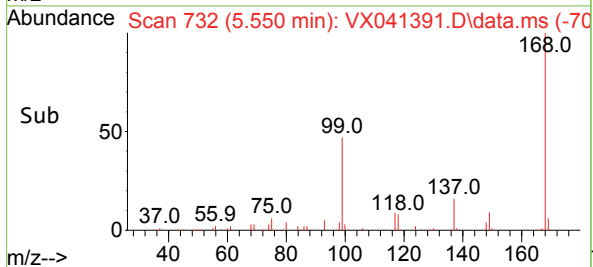
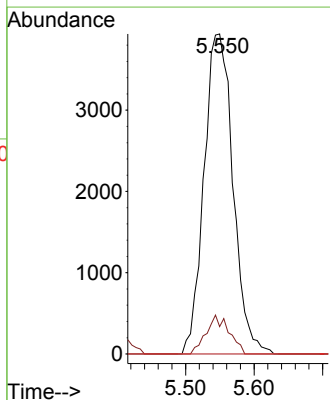
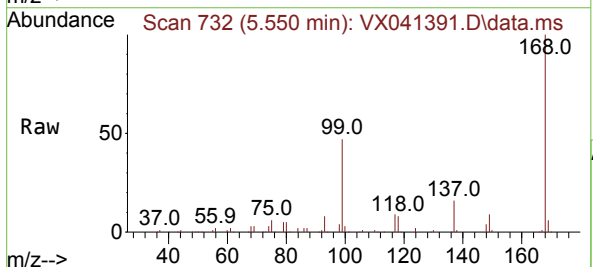
Instrument :
MSVOA_X
ClientSampleId :

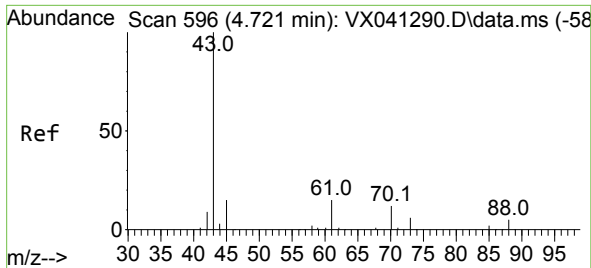
Tgt Ion:113 Resp: 78701
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 25.5 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 75 Resp: 11560
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.725 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

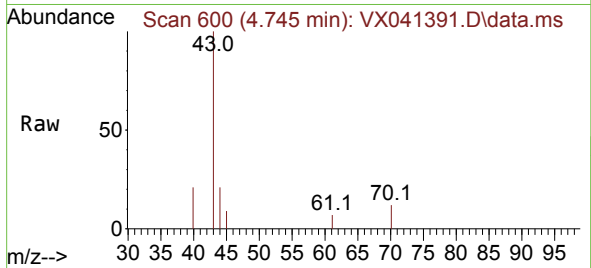
Lab File: VX041391.D

Acq: 06 May 2024 19:54

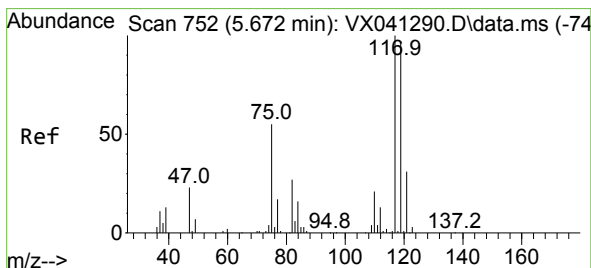
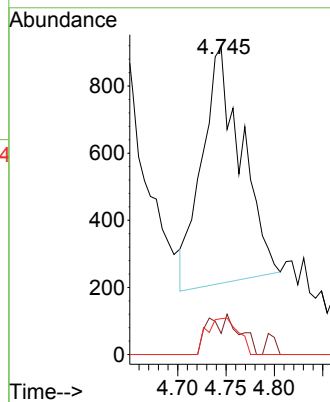
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2000
Ion	Ratio	Lower	Upper
43	100		
61	6.3	10.6	16.0#
70	12.3	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.339 ug/l

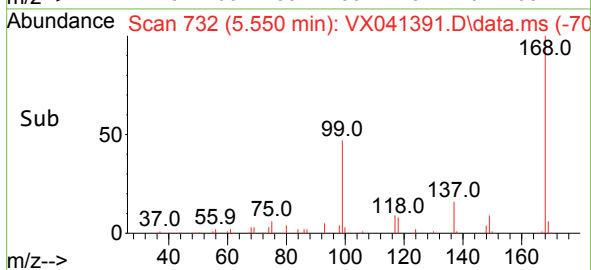
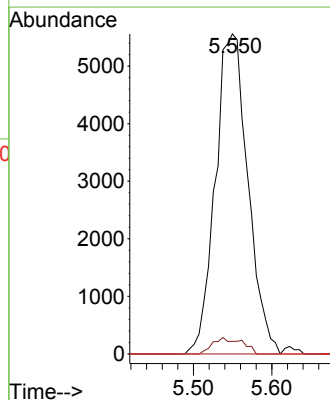
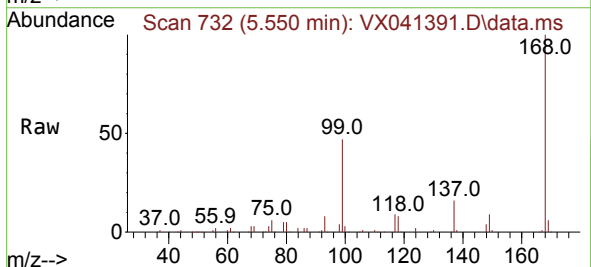
RT: 5.550 min Scan# 732

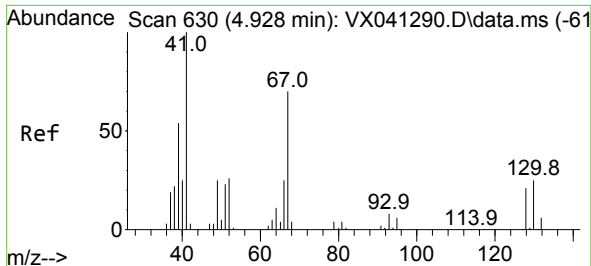
Delta R.T. -0.122 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

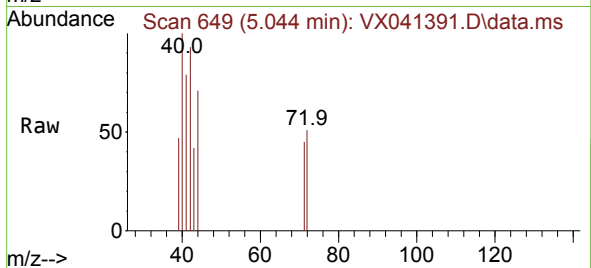
Tgt Ion:	117	Resp:	16067
Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.2	117.2#
121	0.0	24.4	36.6#



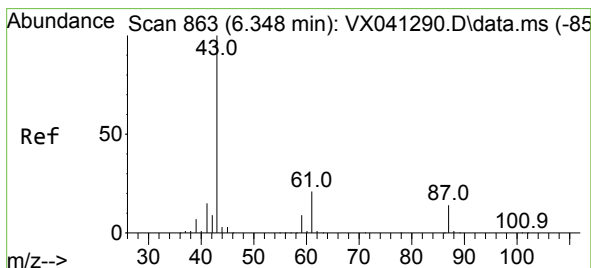
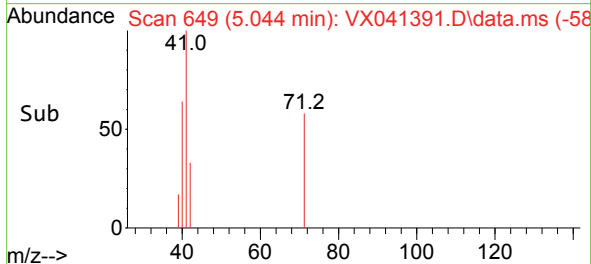
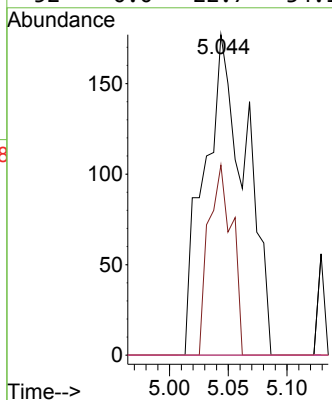


#41
Methacrylonitrile
Concen: 0.307 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Instrument :
MSVOA_X
ClientSampleId :

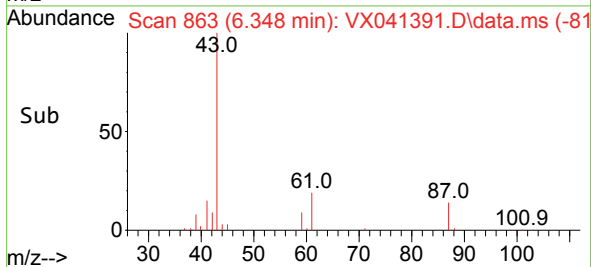
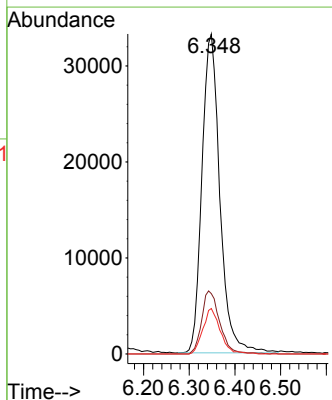
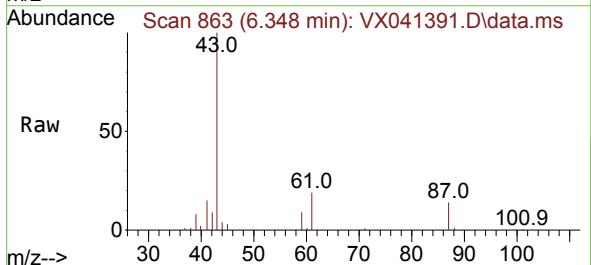


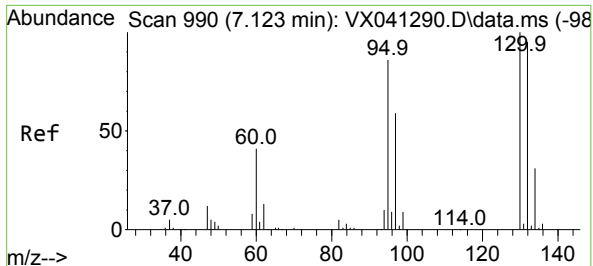
Tgt Ion:	41	Resp:	436
Ion	Ratio	Lower	Upper
41	100		
39	33.7	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 21.759 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

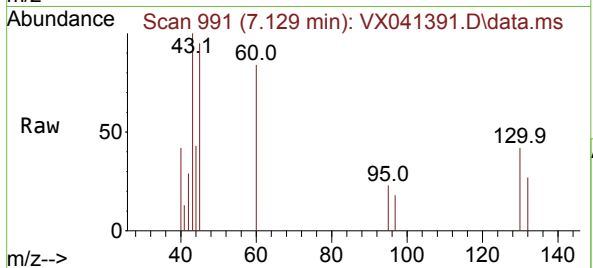
Tgt Ion:	43	Resp:	90308
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.2	22.8
87	13.9	9.8	14.6



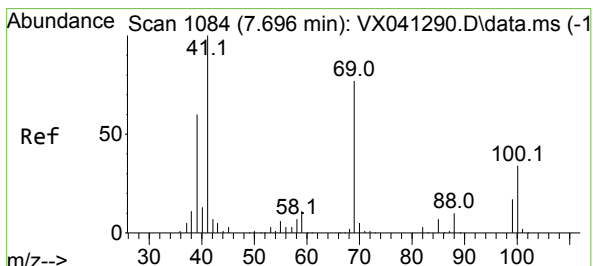
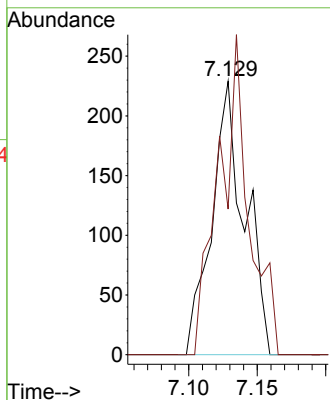
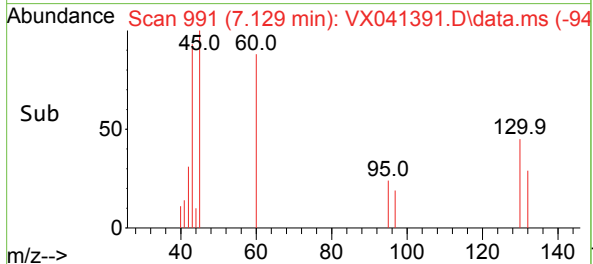


#44
Trichloroethene
Concen: 0.212 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Instrument :
MSVOA_X
ClientSampleId :

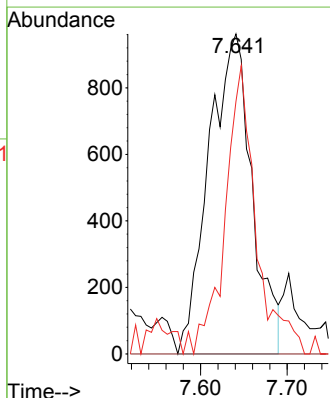
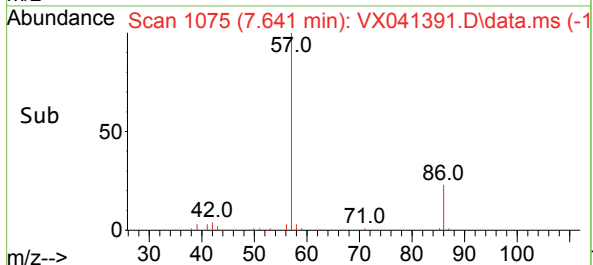
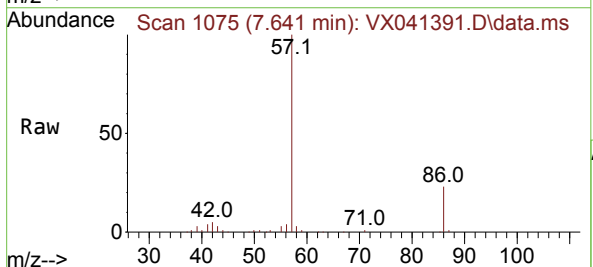


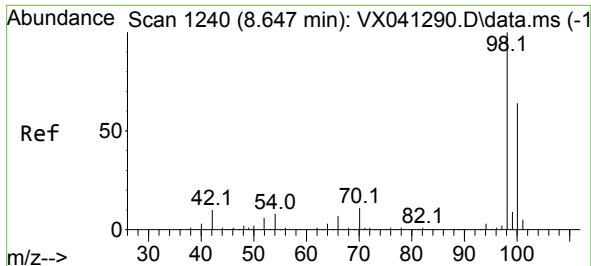
Tgt Ion:130 Resp: 382
Ion Ratio Lower Upper
130 100
95 53.3 0.0 204.4



#48
Methyl methacrylate
Concen: 1.751 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.055 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 41 Resp: 3331
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 64.6 47.7 71.5

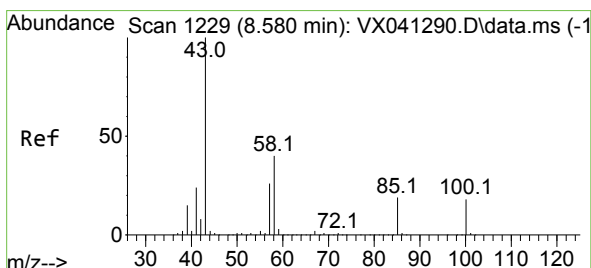
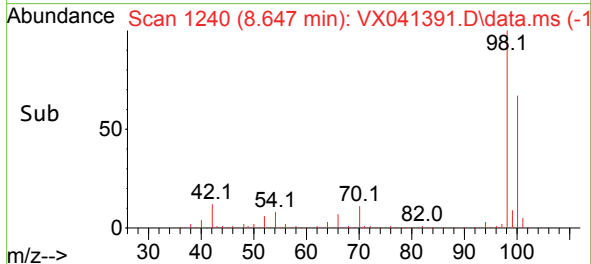
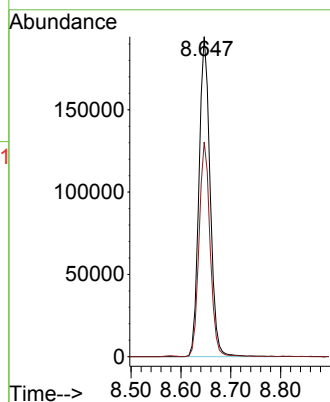
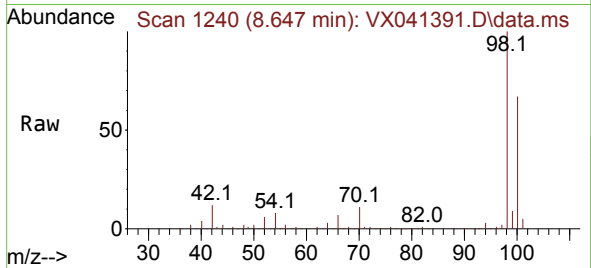




#50
Toluene-d8
Concen: 51.466 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

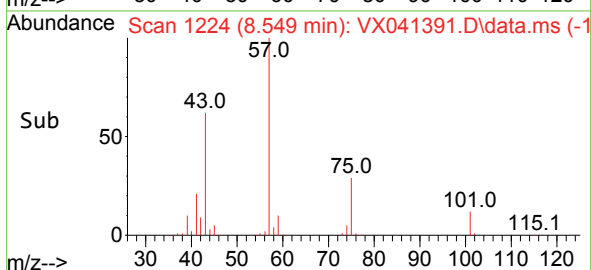
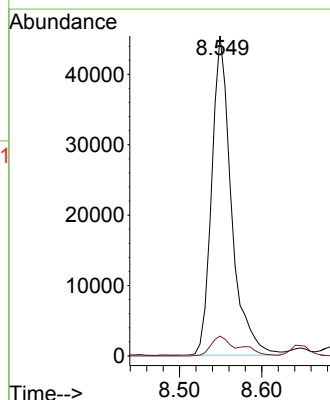
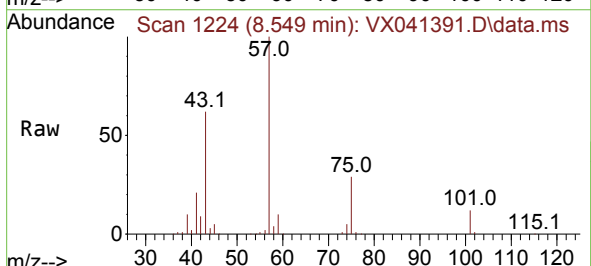
Instrument :
MSVOA_X
ClientSampleId :

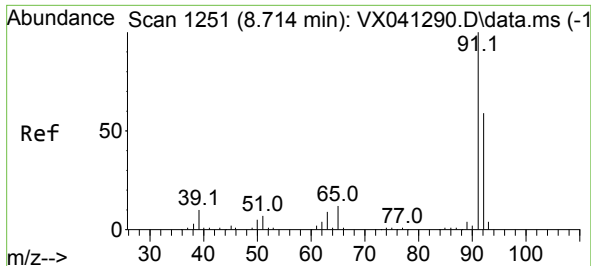
Tgt Ion: 98 Resp: 301381
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.289 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 43 Resp: 75435
Ion Ratio Lower Upper
43 100
58 8.6 30.4 45.6#

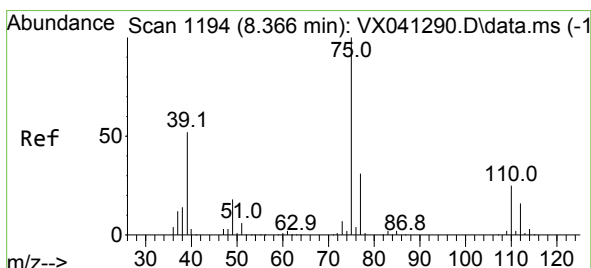
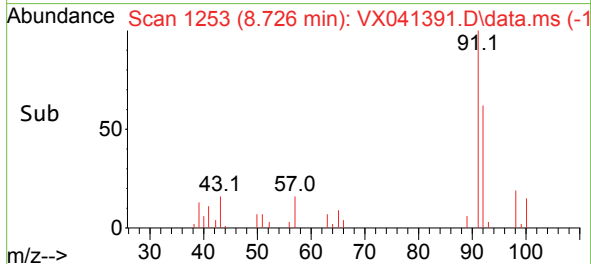
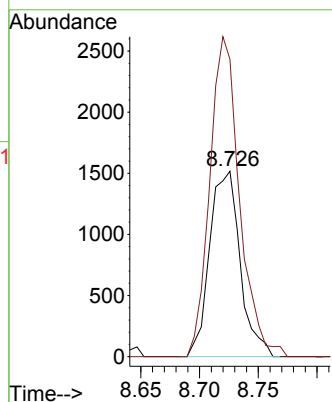
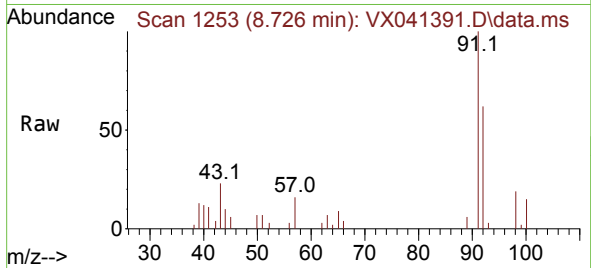




#52
Toluene
Concen: 0.656 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

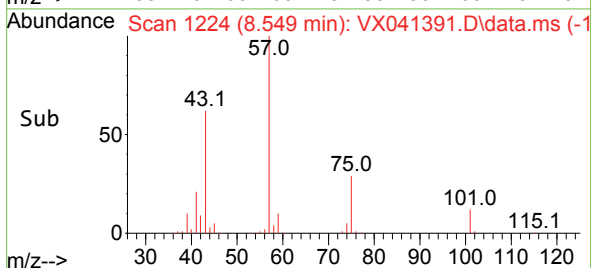
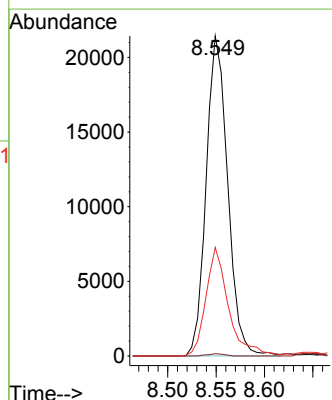
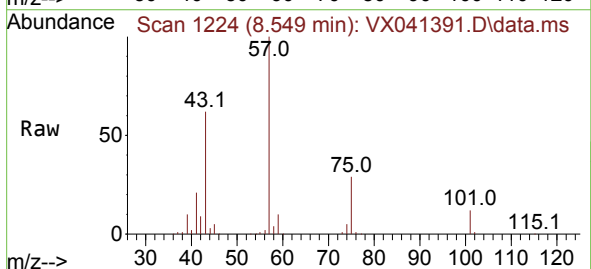
Instrument :
MSVOA_X
ClientSampleId :

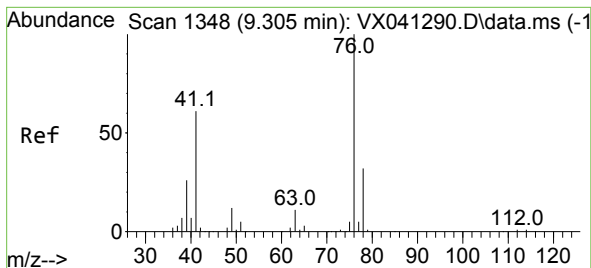
Tgt Ion: 92 Resp: 2735
Ion Ratio Lower Upper
92 100
91 168.6 134.2 201.2



#54
cis-1,3-Dichloropropene
Concen: 14.008 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 75 Resp: 33289
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 33.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 0.913 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

Instrument :

MSVOA_X

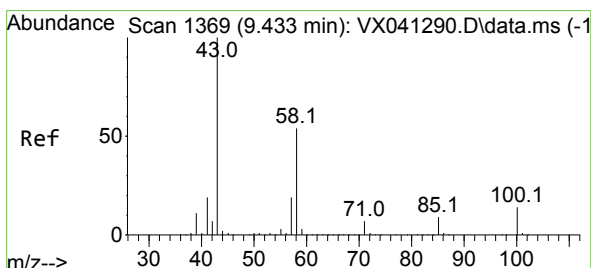
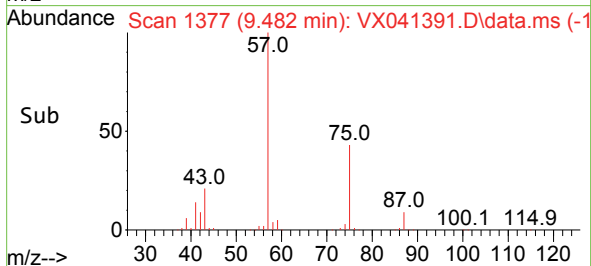
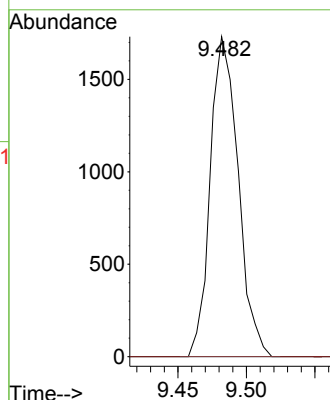
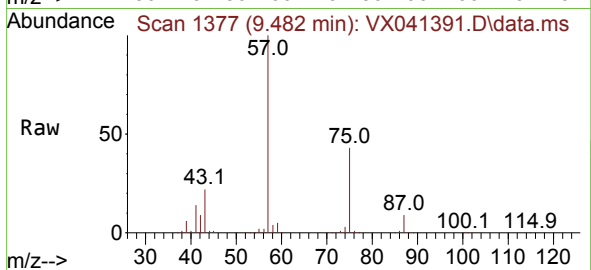
ClientSampleId :

Tgt Ion: 76 Resp: 2449

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 3.733 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX041391.D

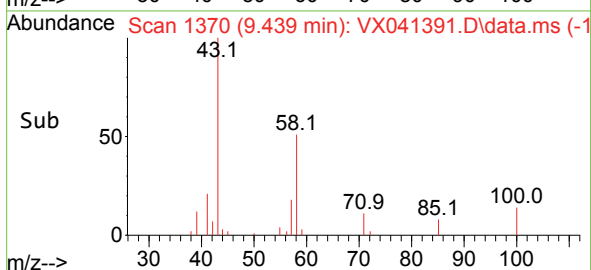
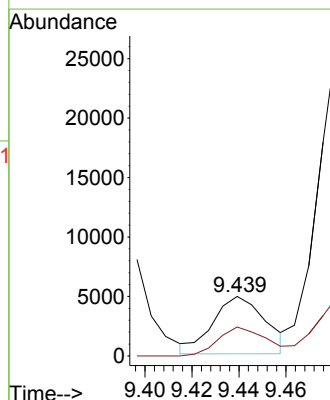
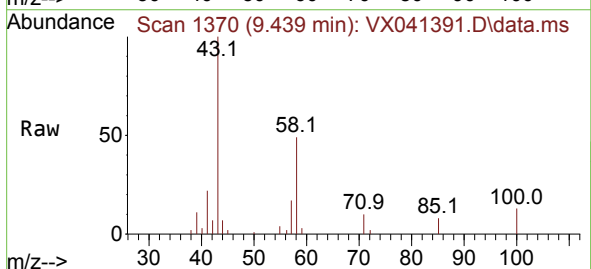
Acq: 06 May 2024 19:54

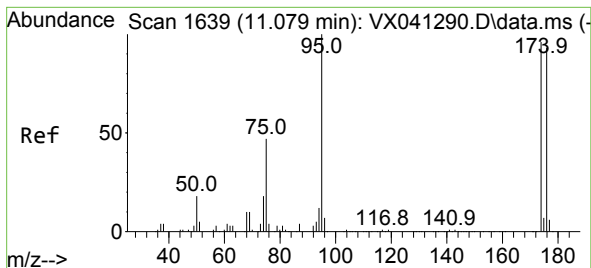
Tgt Ion: 43 Resp: 7434

Ion Ratio Lower Upper

43 100

58 46.0 26.2 78.5

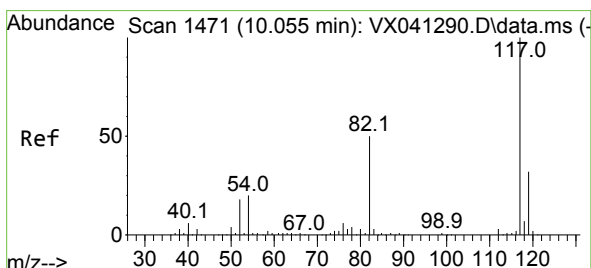
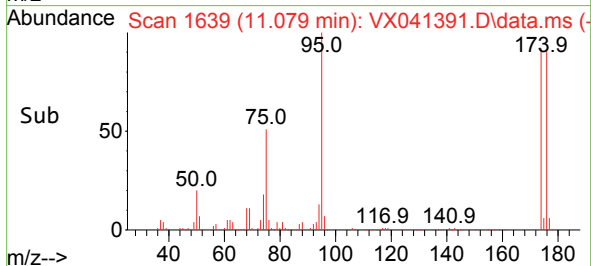
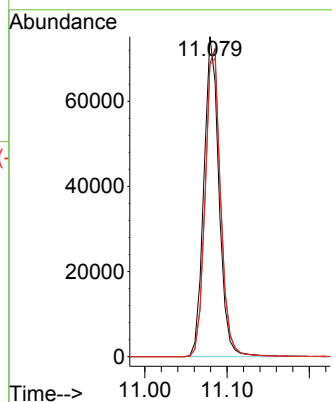
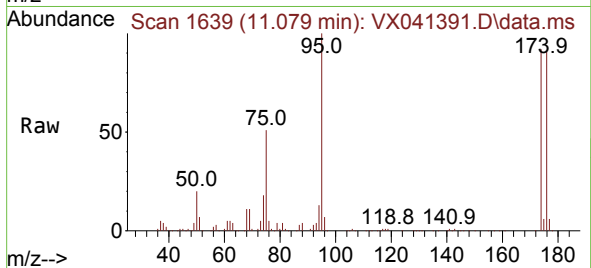




#62
4-Bromofluorobenzene
Concen: 42.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

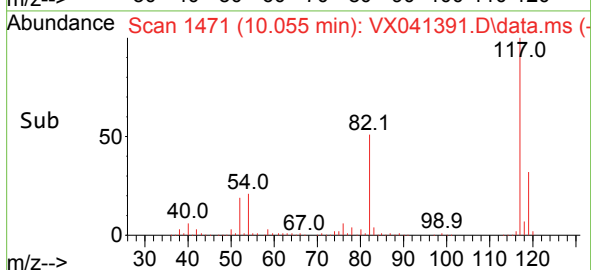
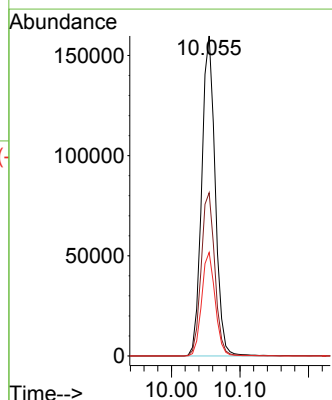
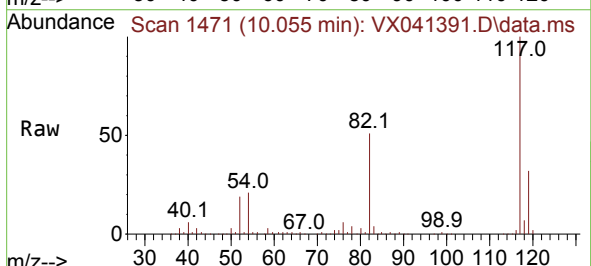
Instrument :
MSVOA_X
ClientSampleId :

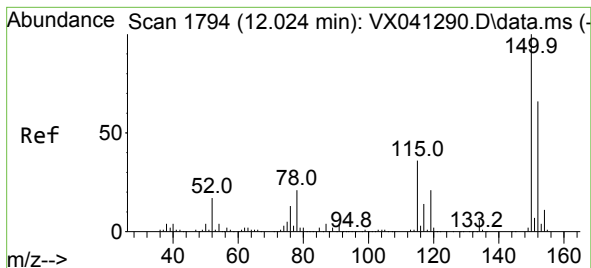
Tgt Ion: 95 Resp: 95831
Ion Ratio Lower Upper
95 100
174 99.1 0.0 135.6
176 96.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

Tgt Ion: 117 Resp: 219017
Ion Ratio Lower Upper
117 100
82 51.0 46.2 69.4
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

Instrument :

MSVOA_X

ClientSampleId :

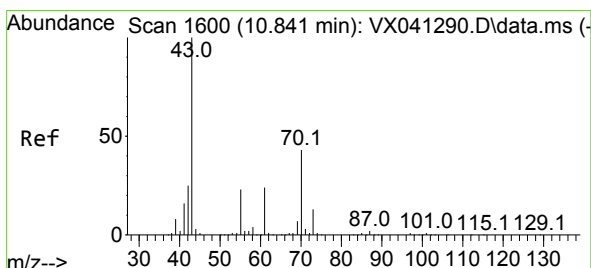
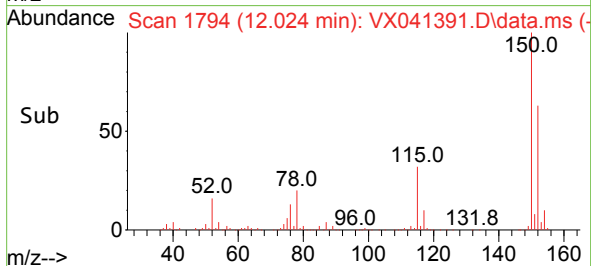
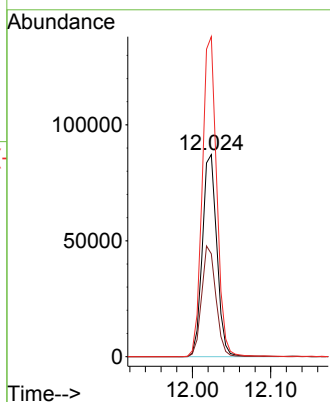
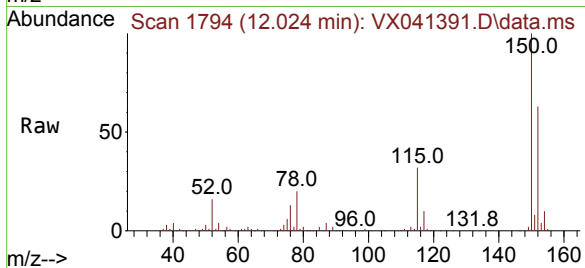
Tgt Ion:152 Resp: 112229

Ion Ratio Lower Upper

152 100

115 54.0 43.3 129.9

150 157.9 0.0 345.0



#74

N-ethyl acetate

Concen: 0.891 ug/l

RT: 10.774 min Scan# 1589

Delta R.T. -0.067 min

Lab File: VX041391.D

Acq: 06 May 2024 19:54

Tgt Ion: 43 Resp: 2668

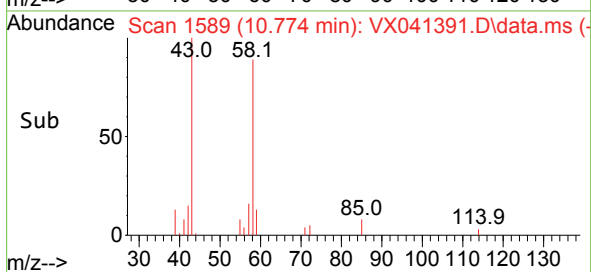
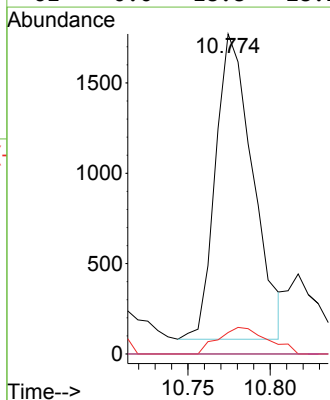
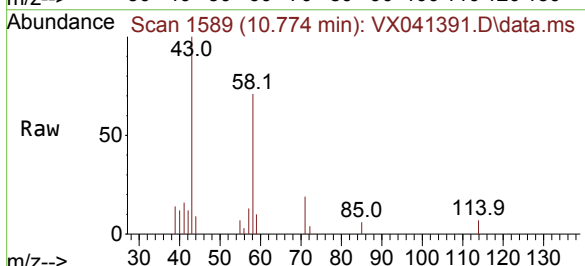
Ion Ratio Lower Upper

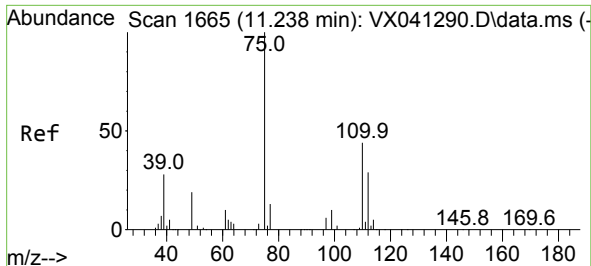
43 100

70 0.0 32.9 49.3#

55 11.5 19.3 28.9#

61 0.0 18.8 28.2#

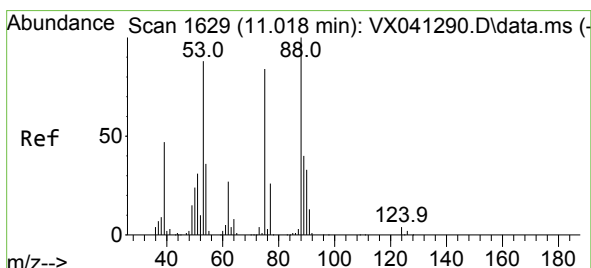
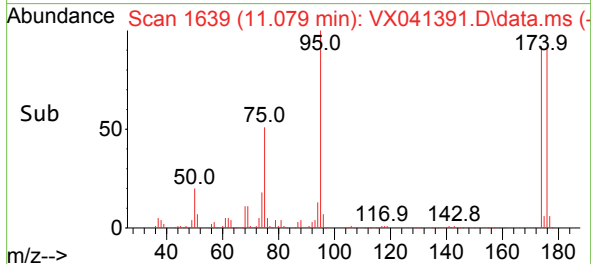
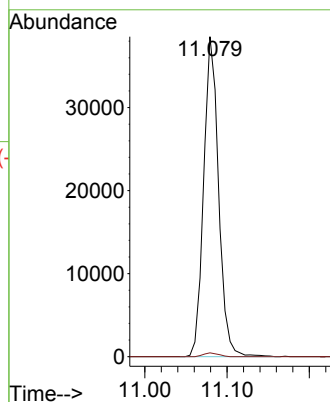
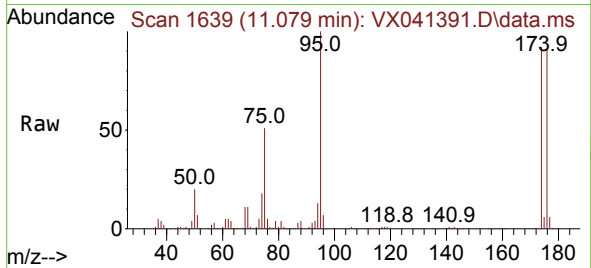




#76
1,2,3-Trichloropropane
Concen: 26.549 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

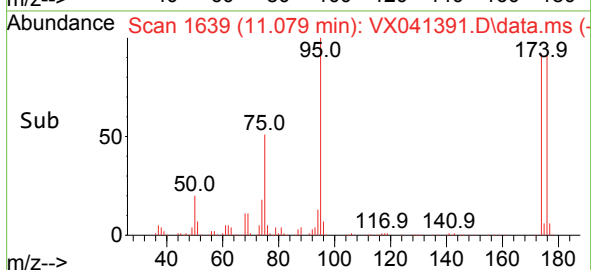
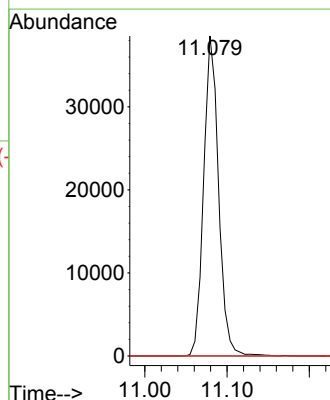
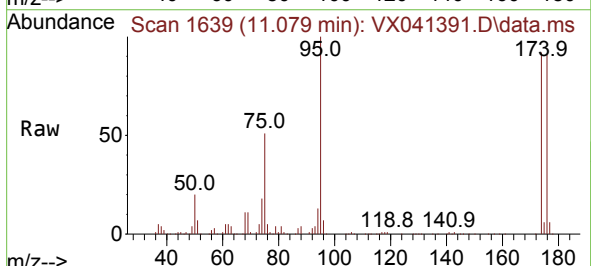
Instrument :
MSVOA_X
ClientSampleId :

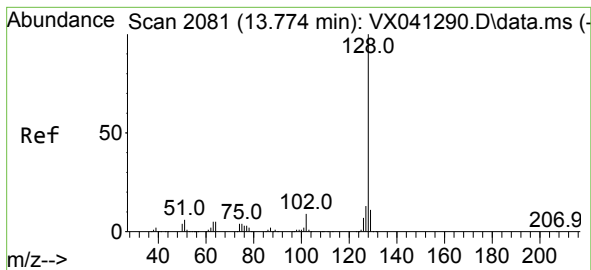
Tgt Ion: 75 Resp: 48558
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.317 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041391.D
Acq: 06 May 2024 19:54

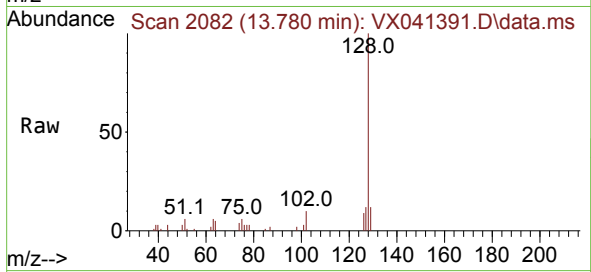
Tgt Ion: 75 Resp: 48558
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 1.006 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX041391.D
 Acq: 06 May 2024 19:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.5	8.8	13.2

