

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039481.D
 Acq On : 26 Dec 2023 20:23
 Operator : JC/MD
 Sample : PB158014ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:44:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

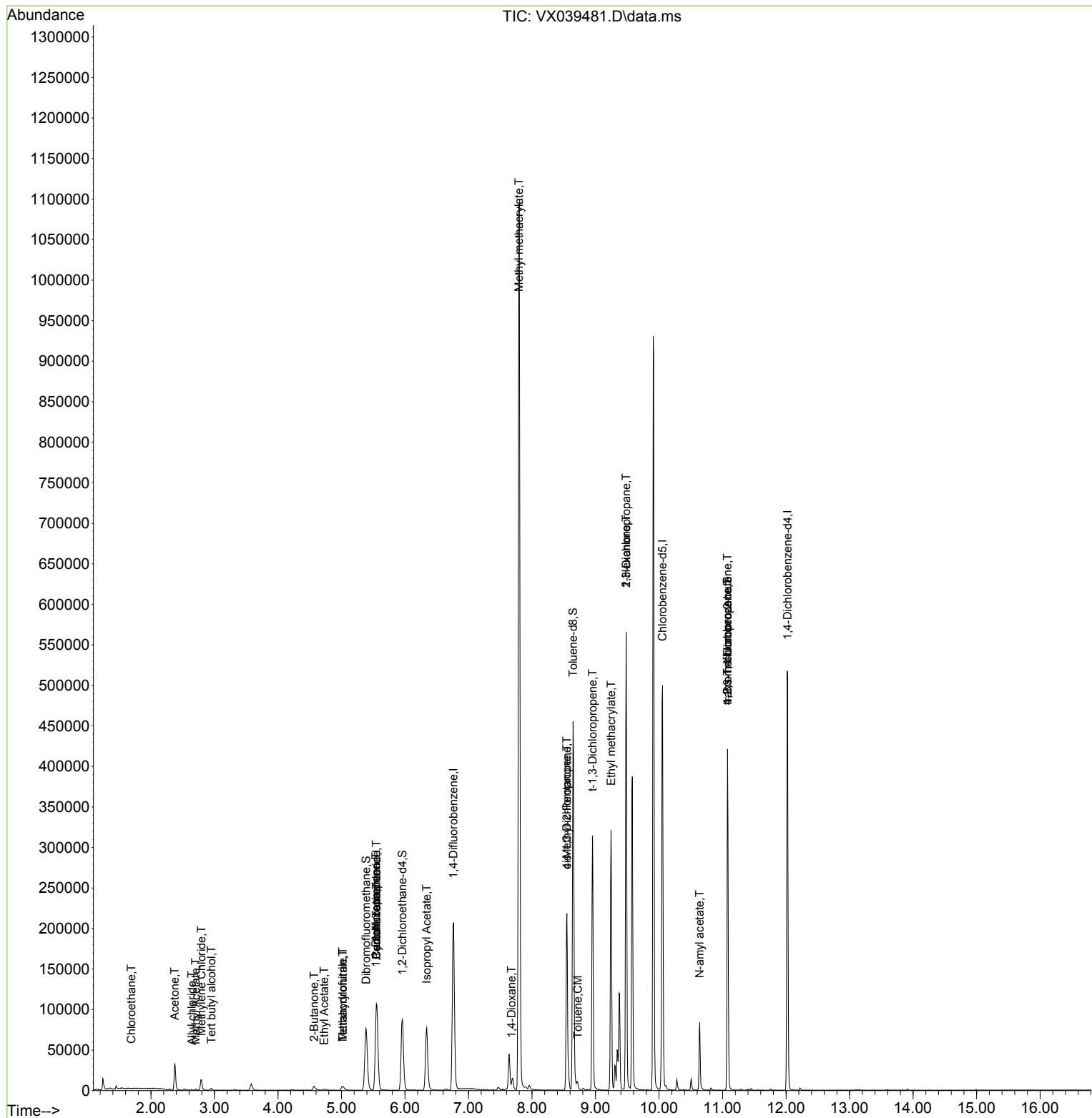
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	93011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199797	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85001	49.886	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.780%
35) Dibromofluoromethane	5.385	113	66478	48.162	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	8.647	98	261448	51.020	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.040%
62) 4-Bromofluorobenzene	11.079	95	109670	51.871	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.740%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	240	0.296	ug/l #	43
11) Tert butyl alcohol	2.953	59	1891	4.419	ug/l	99
14) Allyl chloride	2.642	41	499	0.206	ug/l #	24
16) Acetone	2.373	43	35173	13.415	ug/l	95
18) Methyl Acetate	2.703	43	1680	0.456	ug/l	93
20) Methylene Chloride	2.794	84	6182	4.352	ug/l	99
25) 2-Butanone	4.568	43	7823	5.321	ug/l	91
29) Tetrahydrofuran	5.019	42	5123	6.309	ug/l #	67
31) Cyclohexane	5.550	56	2658	1.208	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	9493	4.358	ug/l #	51
37) Ethyl Acetate	4.727	43	2919	1.085	ug/l #	81
38) Carbon Tetrachloride	5.550	117	10436	5.021	ug/l #	18
41) Methacrylonitrile	5.019	41	2849	1.984	ug/l #	52
43) Isopropyl Acetate	6.342	43	107163	24.489	ug/l	99
48) Methyl methacrylate	7.793	41	99791	39.007	ug/l #	49
49) 1,4-Dioxane	7.677	88	123	3.567	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	85799	30.773	ug/l #	46
52) Toluene	8.720	92	762	0.205	ug/l	93
53) t-1,3-Dichloropropene	8.951	75	613	0.251	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32742	12.436	ug/l #	59
56) Ethyl methacrylate	9.244	69	755	0.398	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4439	1.654	ug/l #	42
59) 2-Hexanone	9.482	43	69007	28.678	ug/l #	52
74) N-amyl acetate	10.640	43	21767	5.593	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	61314	23.772	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61314	67.062	ug/l #	5

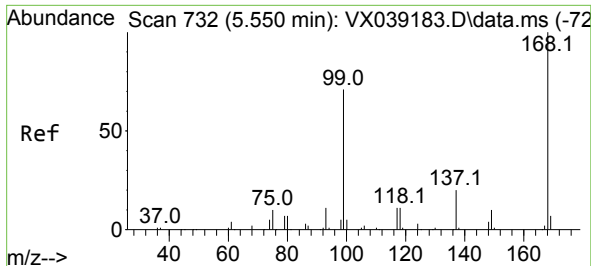
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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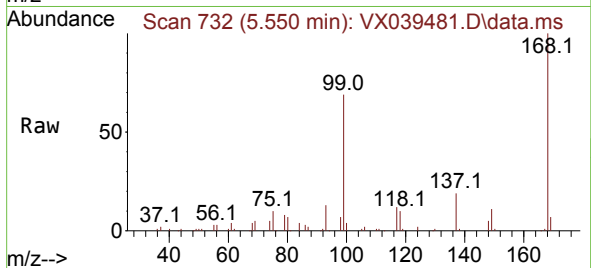
Quant Time: Dec 27 04:44:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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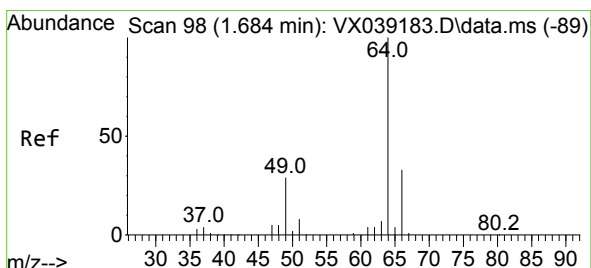
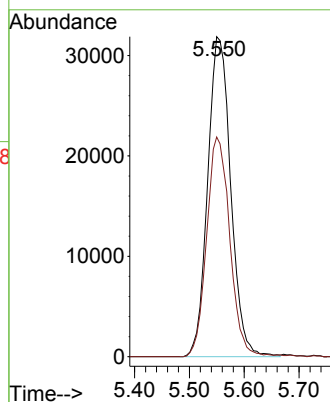
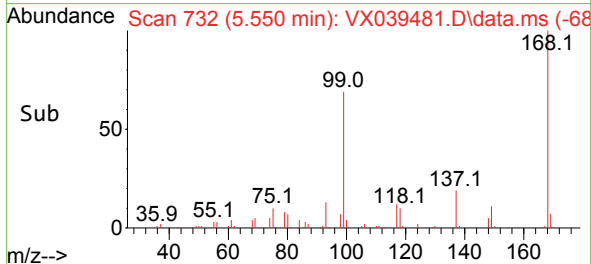


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :

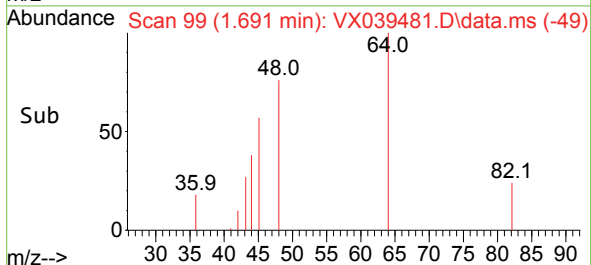
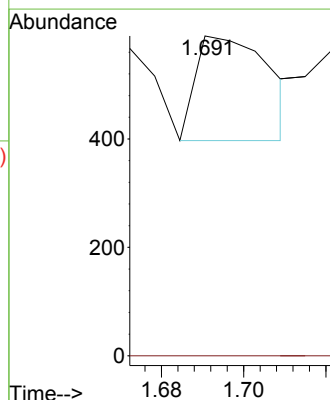
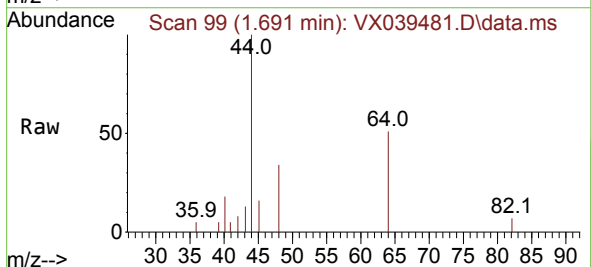


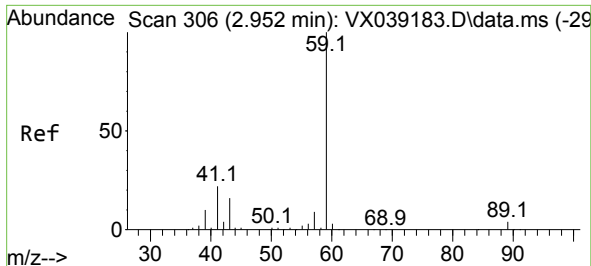
Tgt Ion:168 Resp: 93011
Ion Ratio Lower Upper
168 100
99 68.7 56.6 85.0



#6
Chloroethane
Concen: 0.296 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 4.419 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

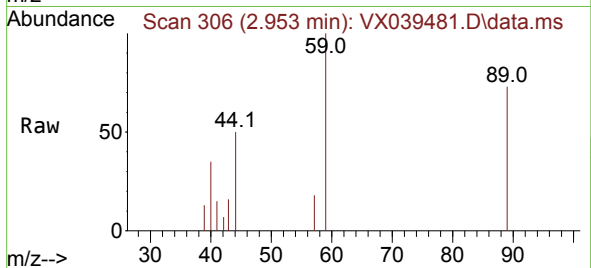
Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

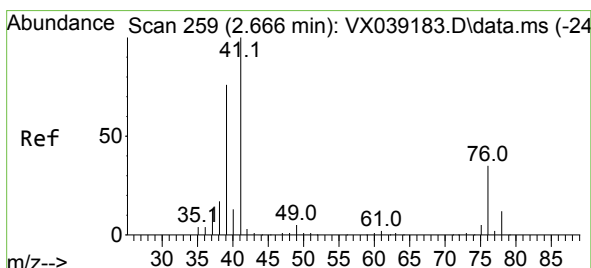
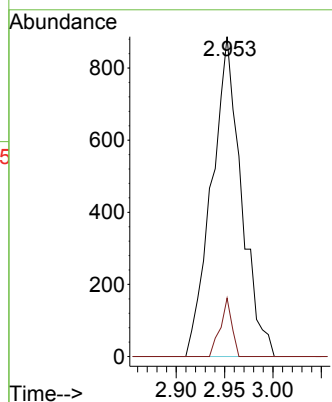
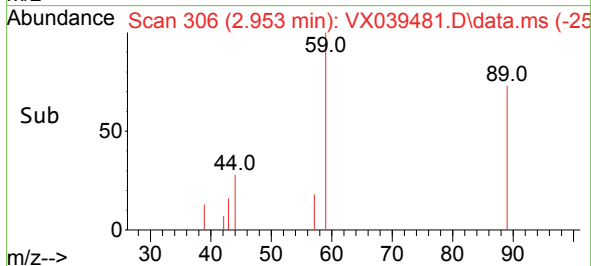


Tgt Ion: 59 Resp: 1891

Ion Ratio Lower Upper

59 100

57 7.1 6.0 9.0



#14

Allyl chloride

Concen: 0.206 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.024 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

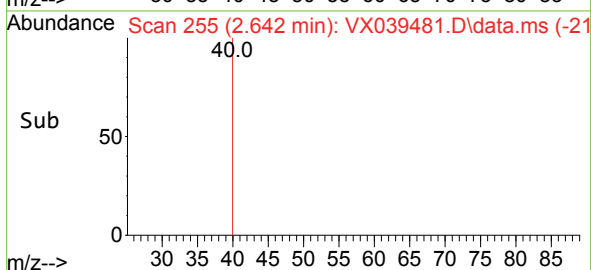
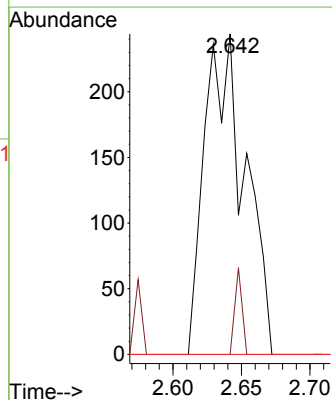
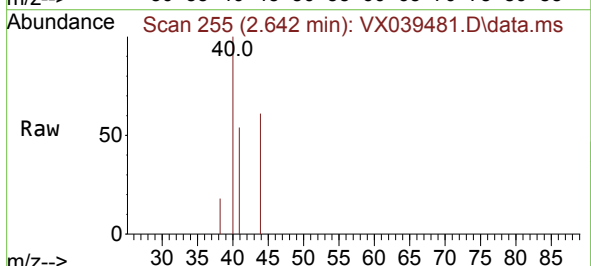
Tgt Ion: 41 Resp: 499

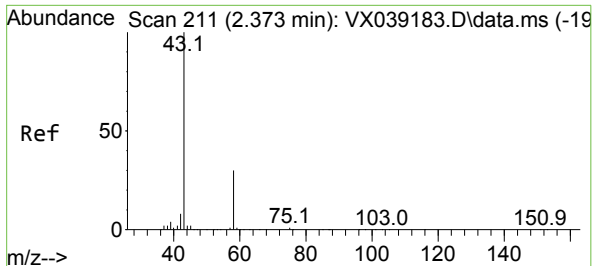
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

76 0.0 24.3 36.5#

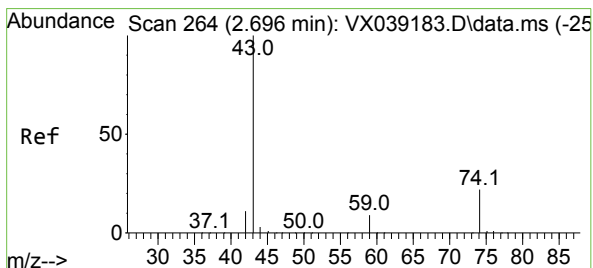
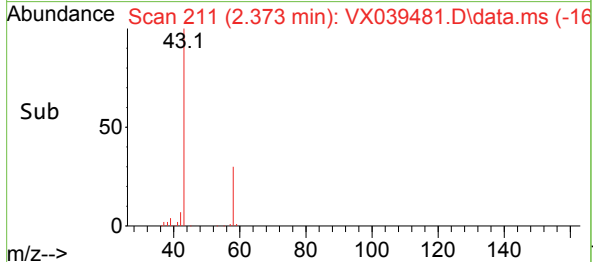
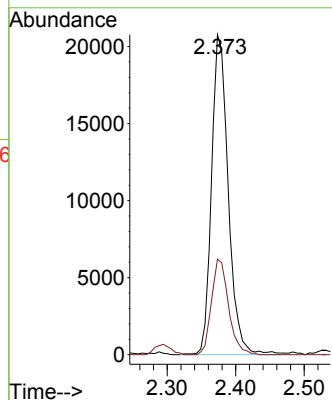
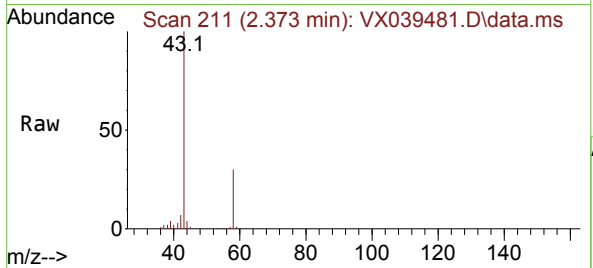




#16
Acetone
Concen: 13.415 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

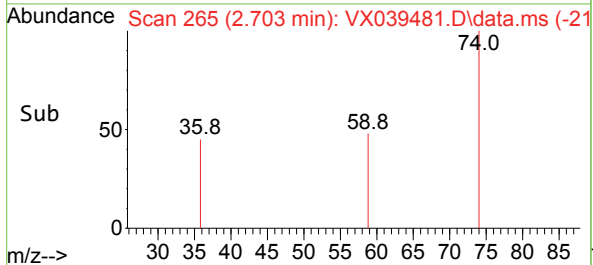
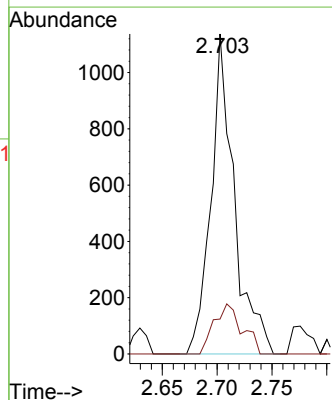
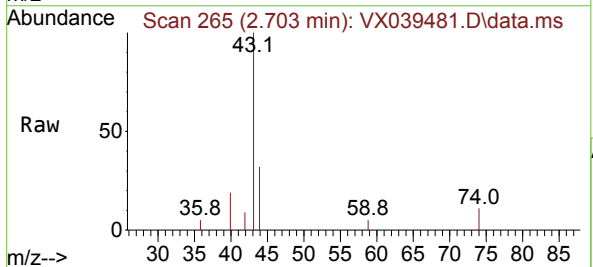
Instrument :
MSVOA_X
ClientSampleId :

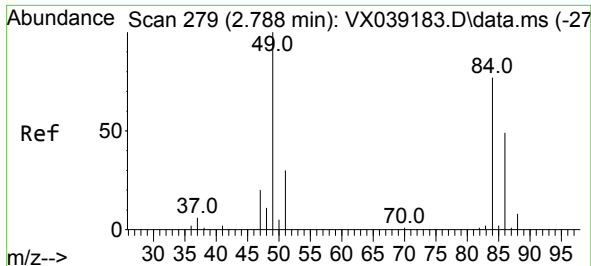
Tgt Ion: 43 Resp: 35173
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.456 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
74 18.8 17.8 26.8





#20

Methylene Chloride

Concen: 4.352 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

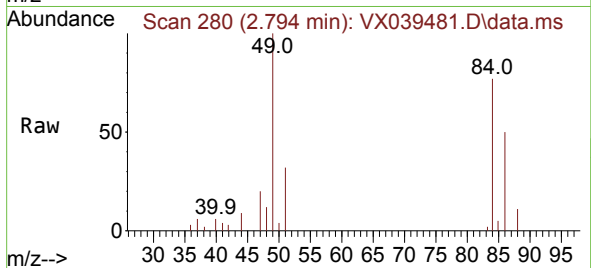
Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 6182

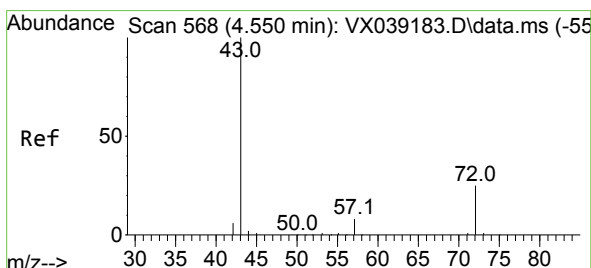
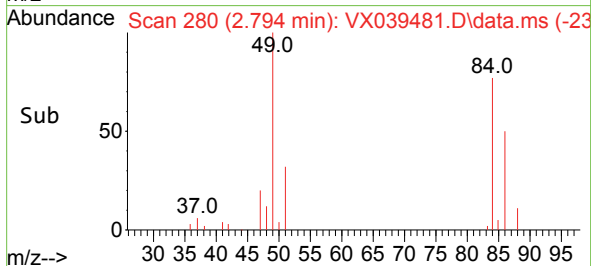
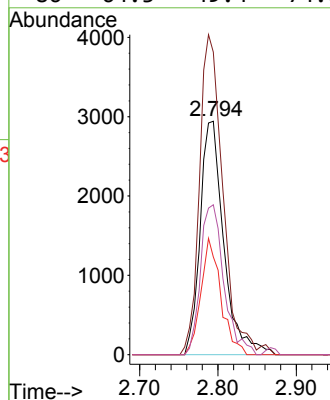
Ion Ratio Lower Upper

84 100

49 129.6 103.6 155.4

51 41.9 33.8 50.6

86 64.3 49.4 74.0



#25

2-Butanone

Concen: 5.321 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX039481.D

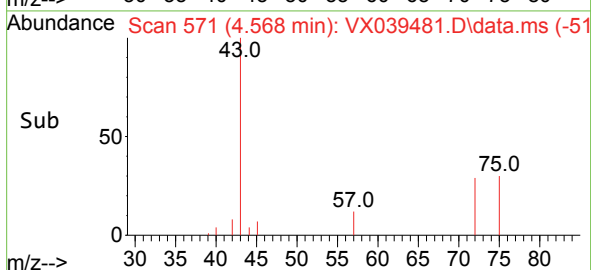
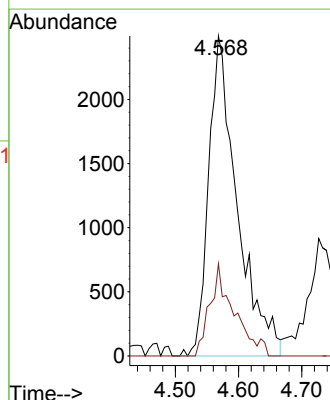
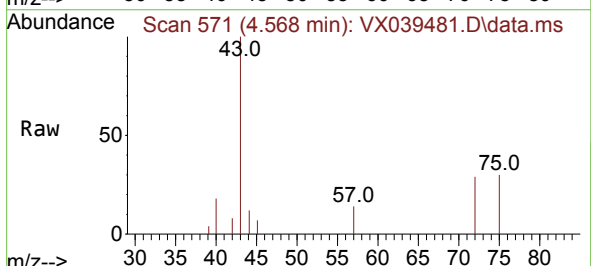
Acq: 26 Dec 2023 20:23

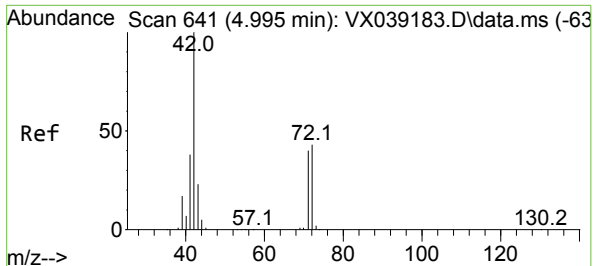
Tgt Ion: 43 Resp: 7823

Ion Ratio Lower Upper

43 100

72 28.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 6.309 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.025 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

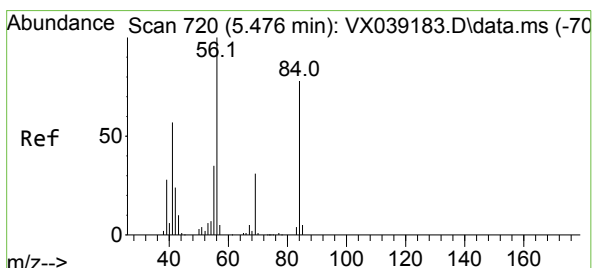
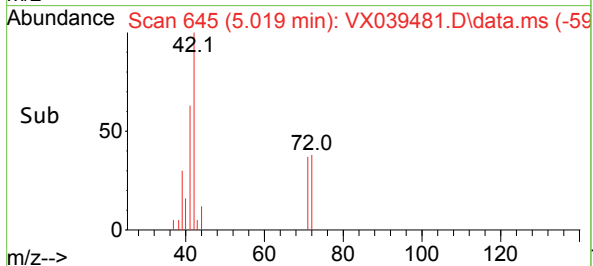
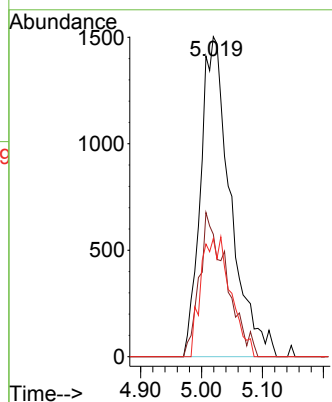
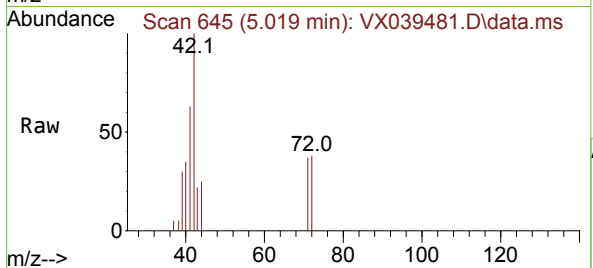
Tgt Ion: 42 Resp: 5123

Ion Ratio Lower Upper

42 100

72 41.0 34.2 51.4

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

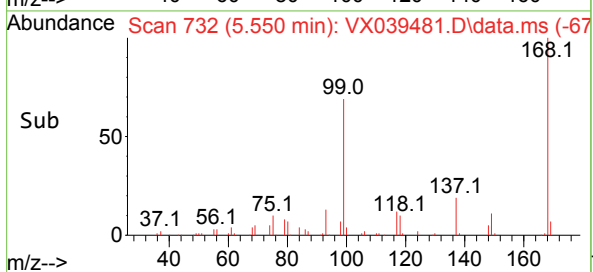
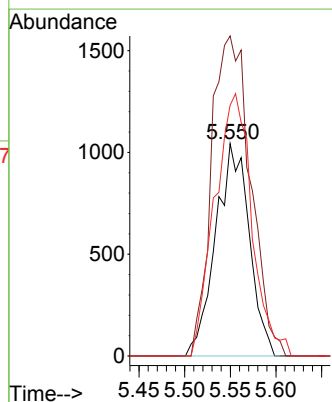
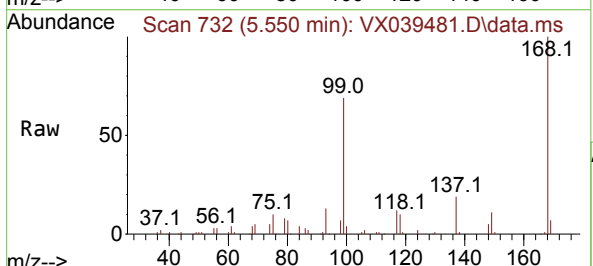
Tgt Ion: 56 Resp: 2658

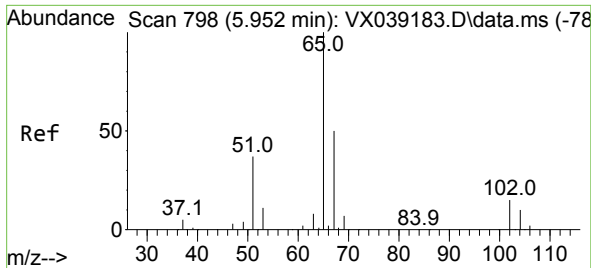
Ion Ratio Lower Upper

56 100

69 150.7 23.4 35.2#

84 118.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.886 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

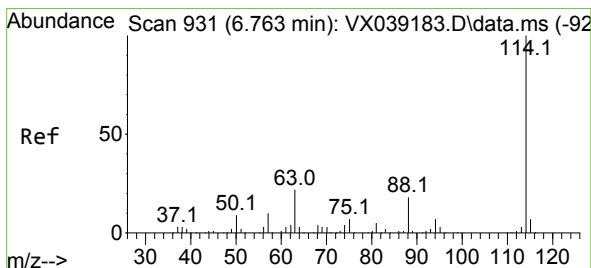
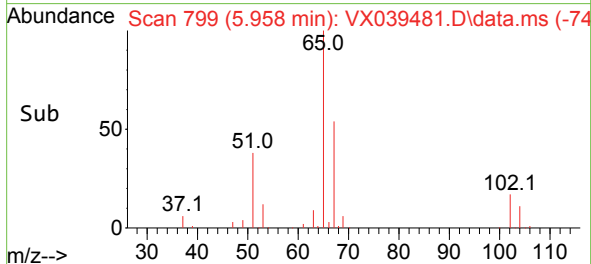
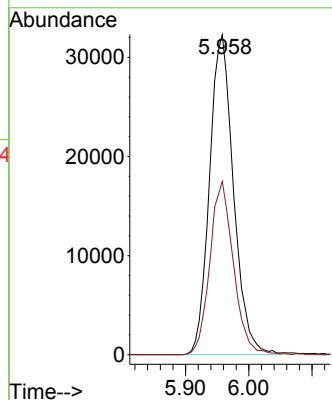
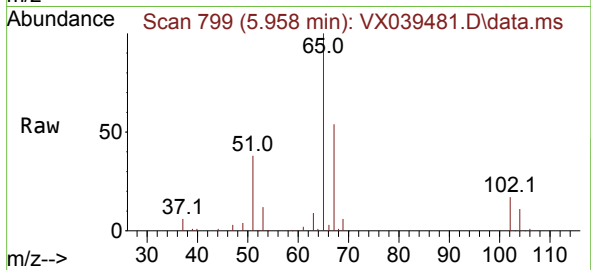
ClientSampleId :

Tgt Ion: 65 Resp: 85001

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

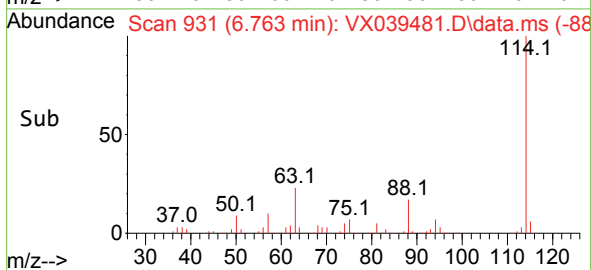
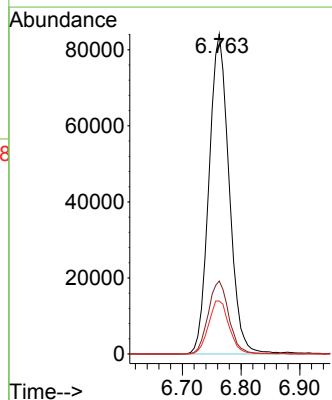
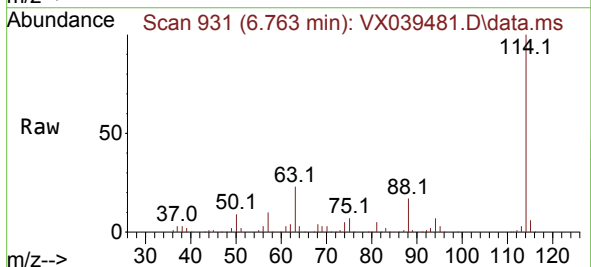
Tgt Ion: 114 Resp: 199797

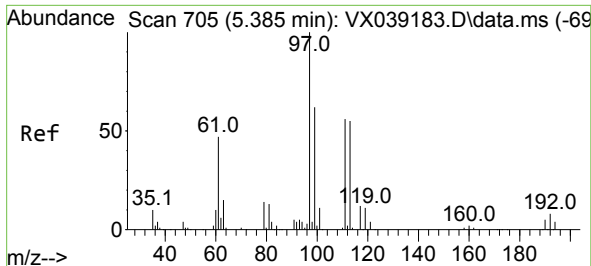
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

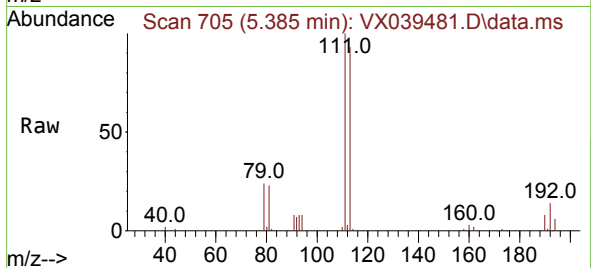
88 16.5 0.0 36.6



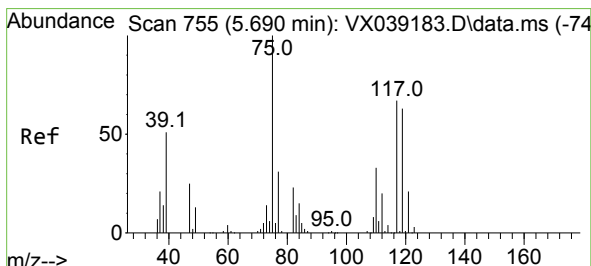
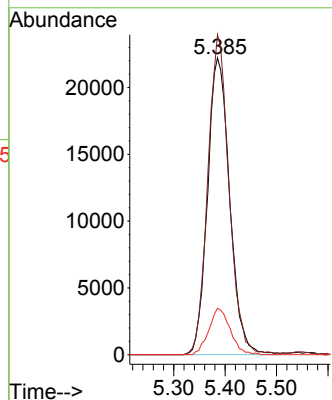
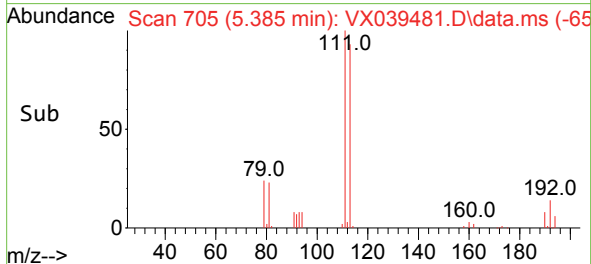


#35
 Dibromofluoromethane
 Concen: 48.162 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX039481.D
 Acq: 26 Dec 2023 20:23

Instrument :
 MSVOA_X
 ClientSampleId :

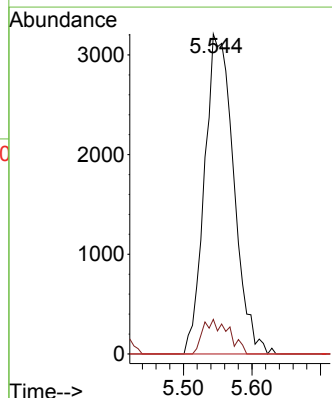
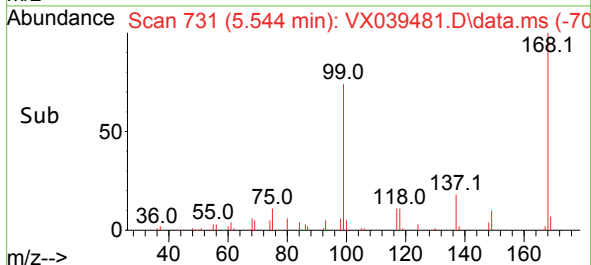
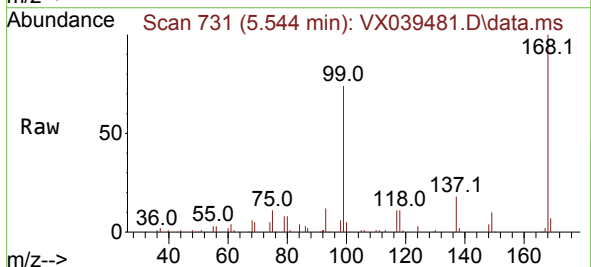


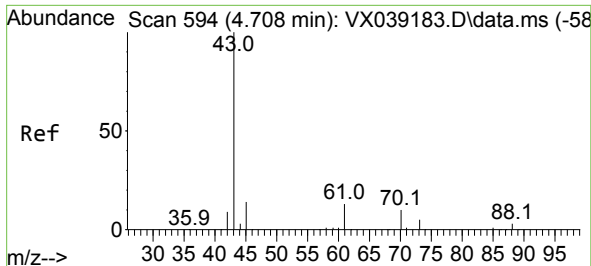
Tgt Ion:113 Resp: 66478
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 15.1 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.358 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.146 min
 Lab File: VX039481.D
 Acq: 26 Dec 2023 20:23

Tgt Ion: 75 Resp: 9493
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.0 50.9#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.085 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

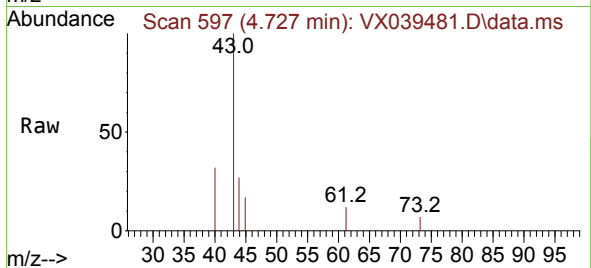
Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

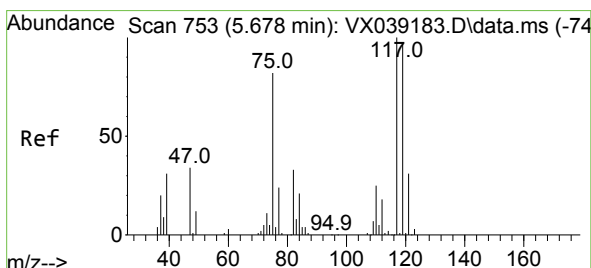
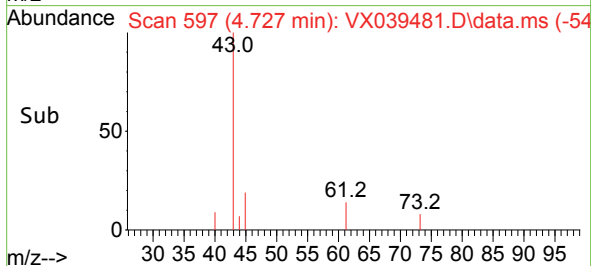
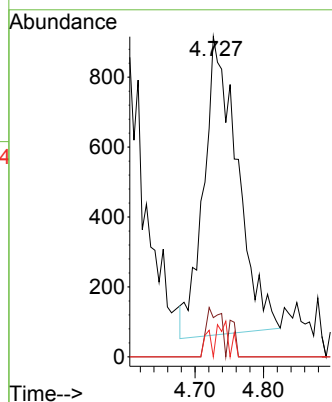
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2919
Ion	Ratio	Lower	Upper
43	100		
61	7.1	10.6	16.0#
70	1.7	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.021 ug/l

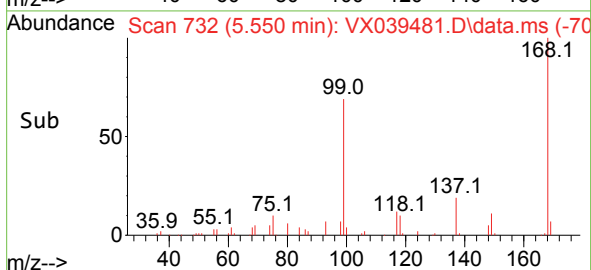
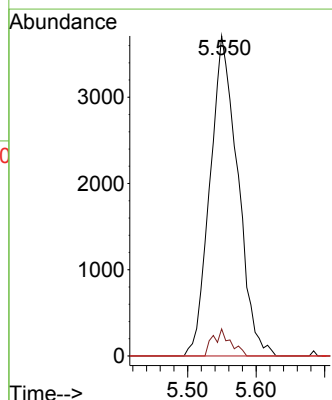
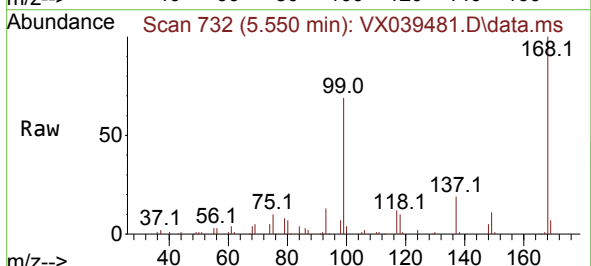
RT: 5.550 min Scan# 732

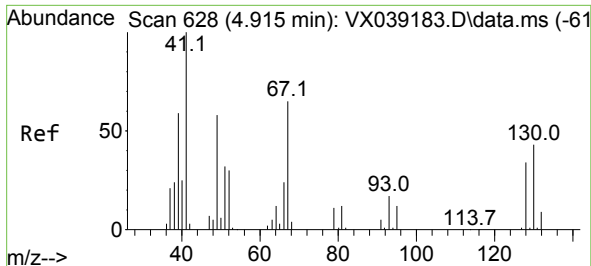
Delta R.T. -0.128 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

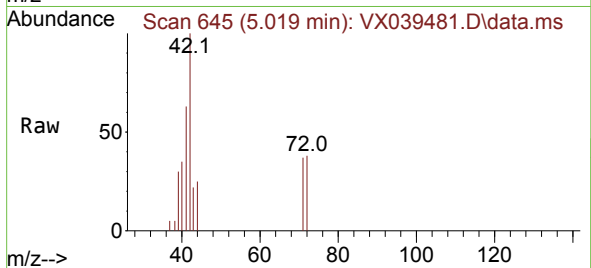
Tgt Ion:	117	Resp:	10436
Ion	Ratio	Lower	Upper
117	100		
119	8.5	78.2	117.2#
121	0.0	24.4	36.6#



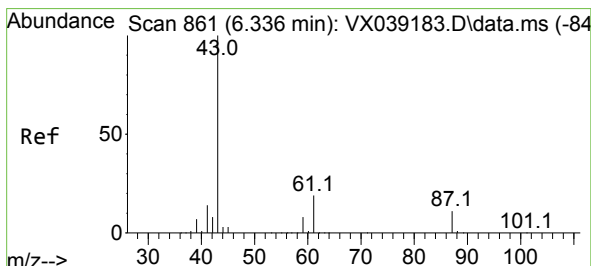
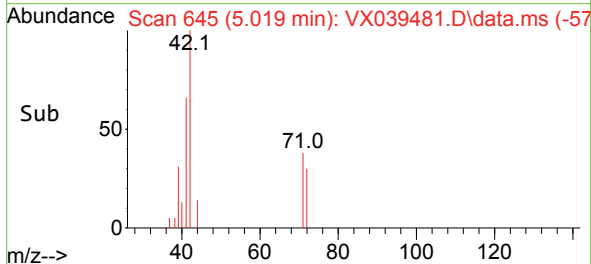
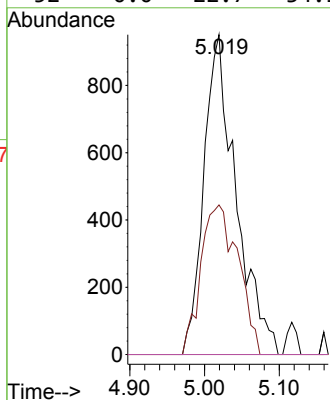


#41
Methacrylonitrile
Concen: 1.984 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :

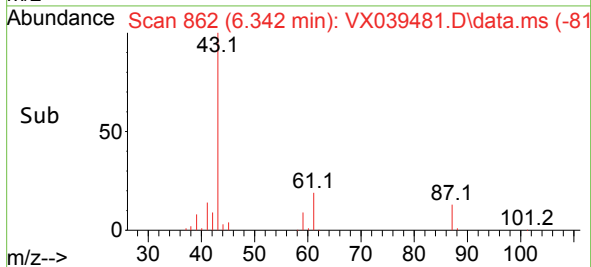
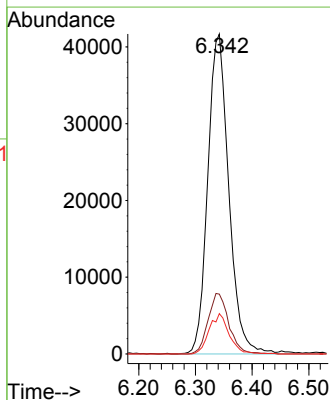
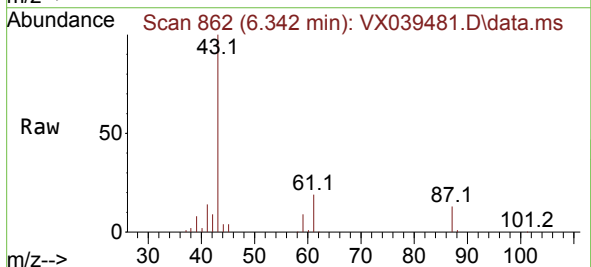


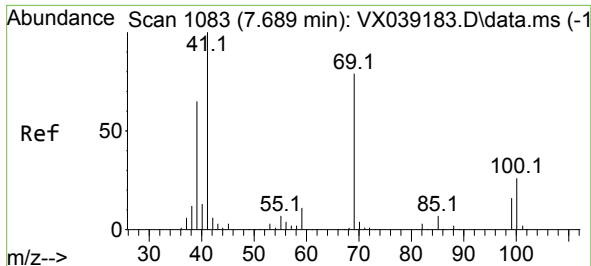
Tgt Ion:	41	Resp:	2849
Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 24.489 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Tgt Ion:	43	Resp:	107163
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.2	22.8
87	12.0	9.8	14.6





#48

Methyl methacrylate

Concen: 39.007 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

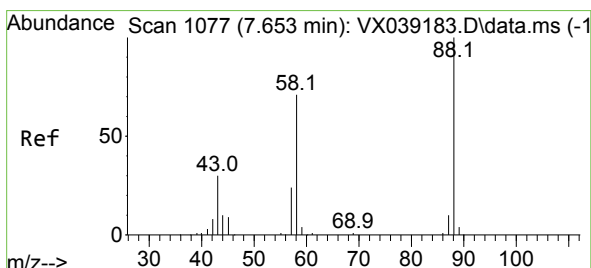
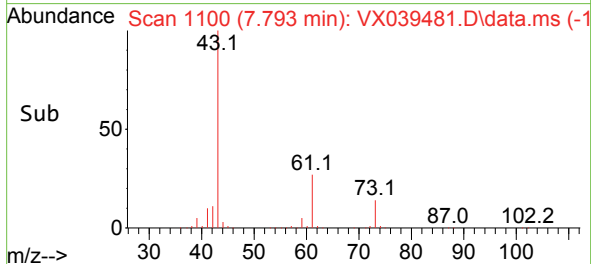
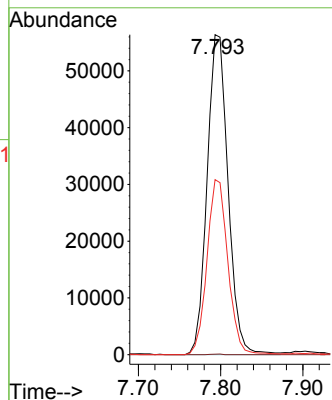
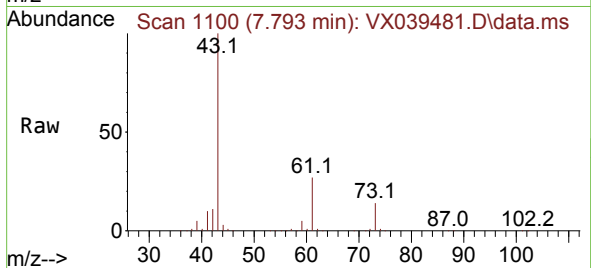
Tgt Ion: 41 Resp: 99791

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.7 47.7 71.5



#49

1,4-Dioxane

Concen: 3.567 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.025 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

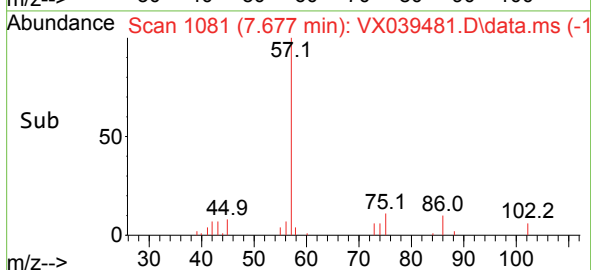
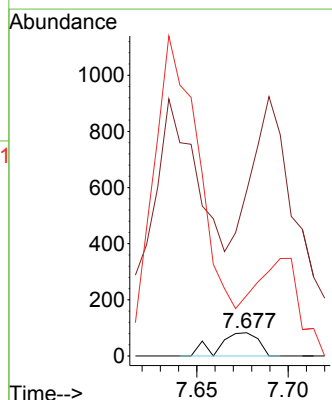
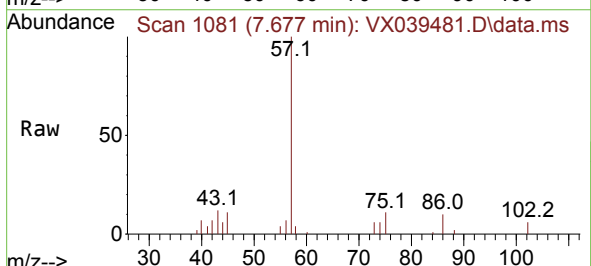
Tgt Ion: 88 Resp: 123

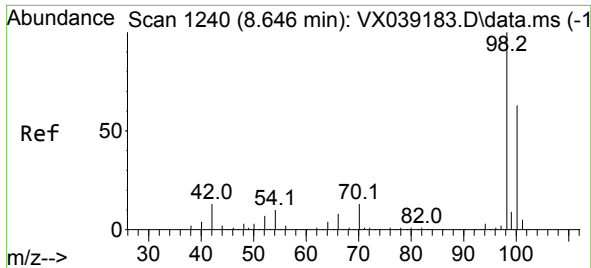
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#

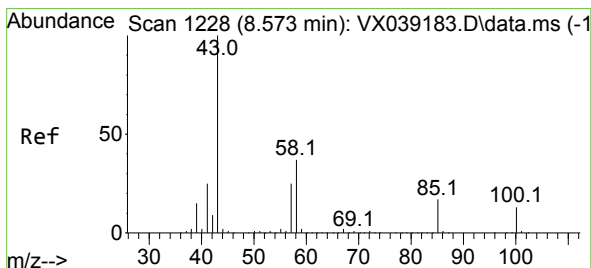
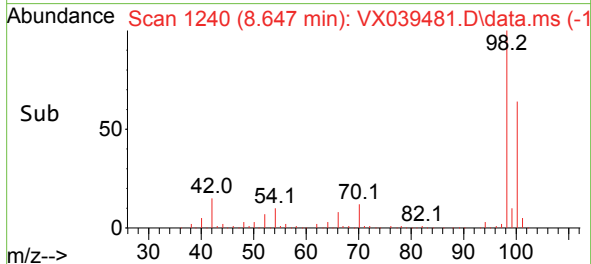
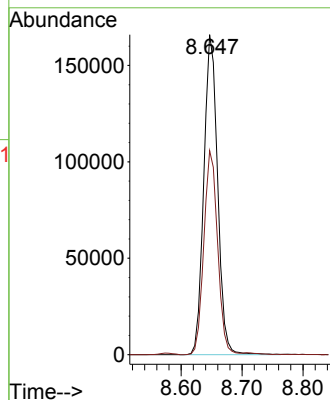
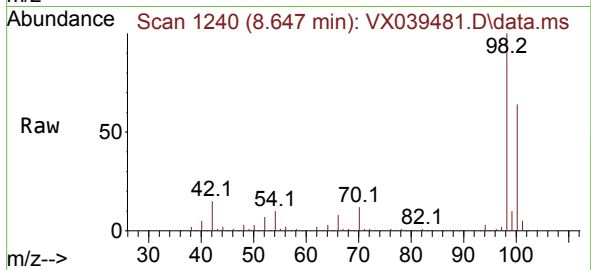




#50
Toluene-d8
Concen: 51.020 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

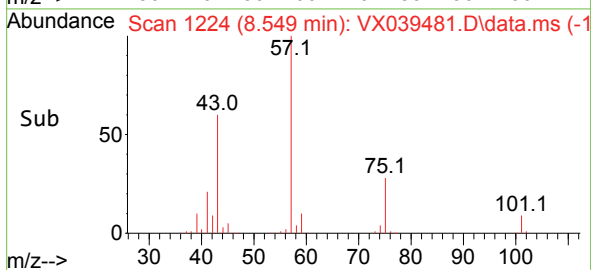
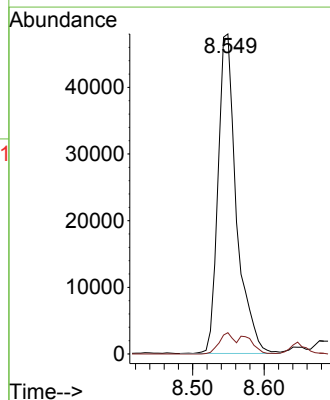
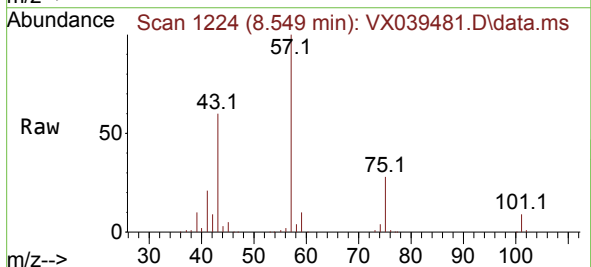
Instrument :
MSVOA_X
ClientSampleId :

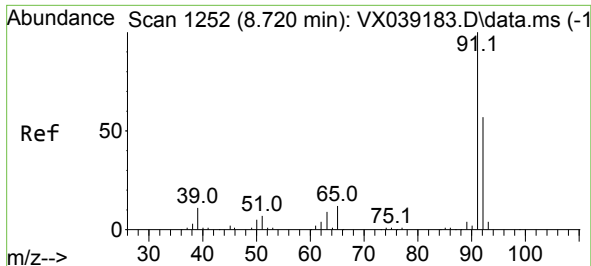
Tgt Ion: 98 Resp: 261448
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.773 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Tgt Ion: 43 Resp: 85799
Ion Ratio Lower Upper
43 100
58 5.5 30.4 45.6#

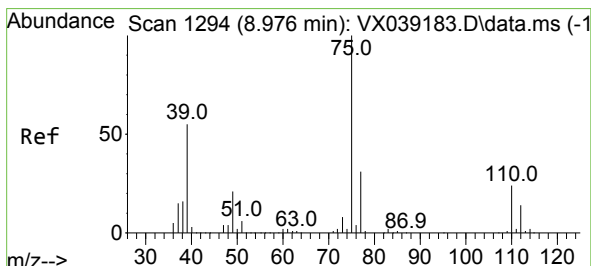
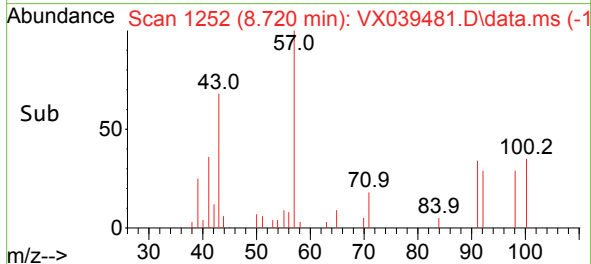
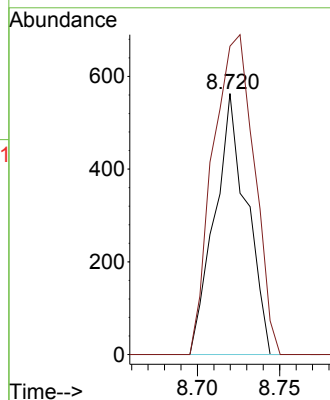
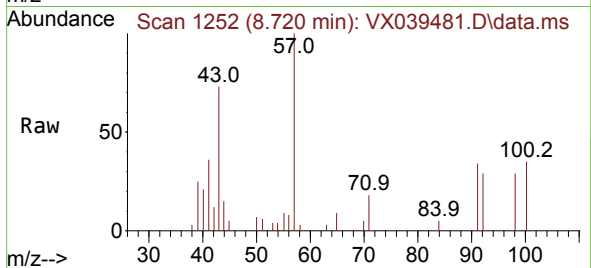




#52
Toluene
Concen: 0.205 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

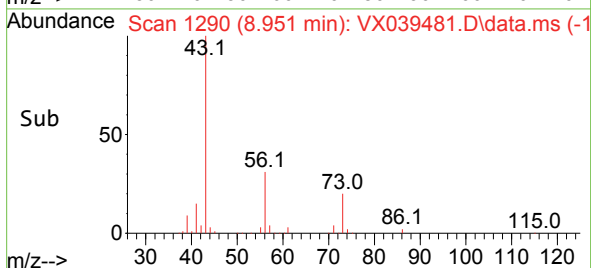
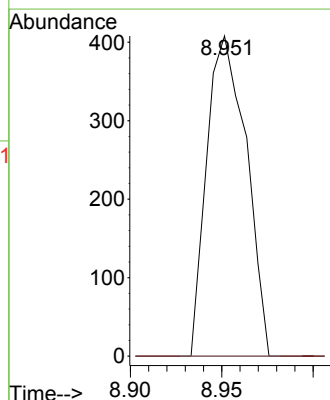
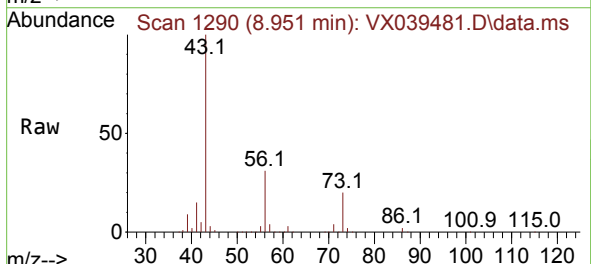
Instrument :
MSVOA_X
ClientSampleId :

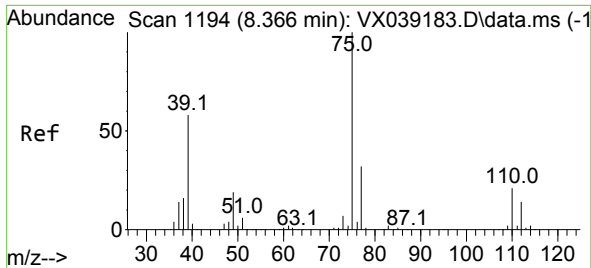
Tgt Ion: 92 Resp: 762
Ion Ratio Lower Upper
92 100
91 158.3 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

Tgt Ion: 75 Resp: 613
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

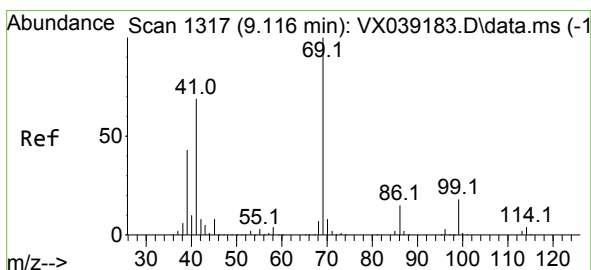
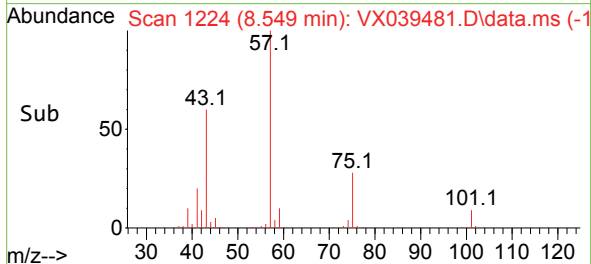
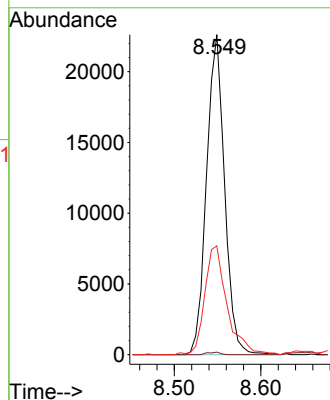
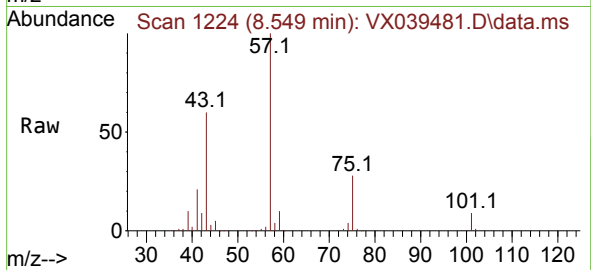




#54
 cis-1,3-Dichloropropene
 Concen: 12.436 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039481.D
 Acq: 26 Dec 2023 20:23

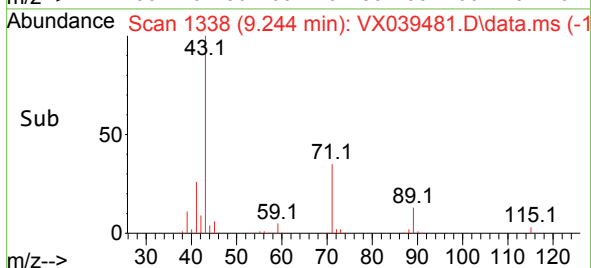
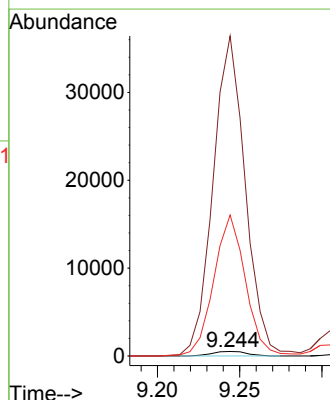
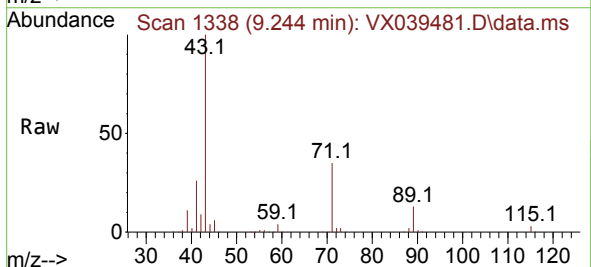
Instrument :
 MSVOA_X
 ClientSampleId :

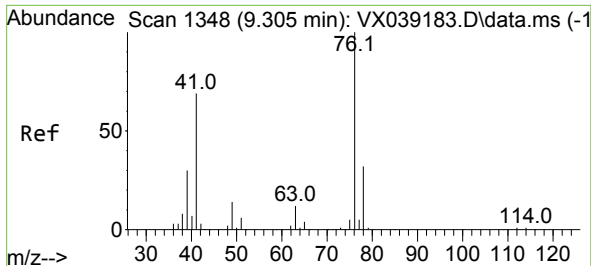
Tgt Ion: 75 Resp: 32742
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 34.0 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.398 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX039481.D
 Acq: 26 Dec 2023 20:23

Tgt Ion: 69 Resp: 755
 Ion Ratio Lower Upper
 69 100
 41 6589.0 56.8 85.2#
 39 2854.3 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.654 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

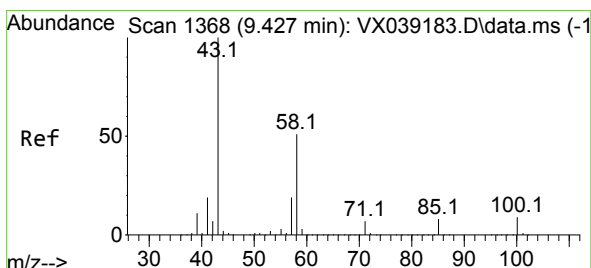
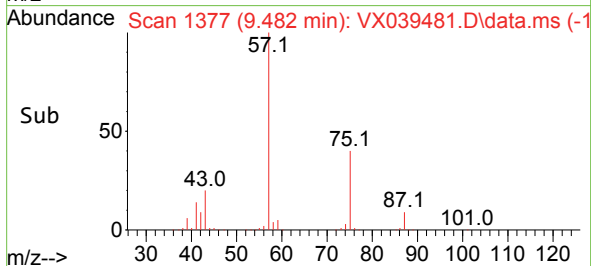
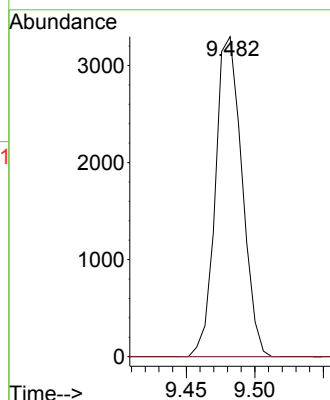
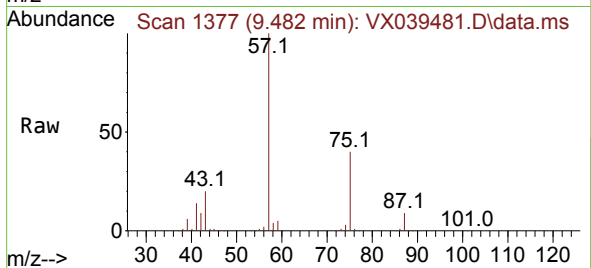
ClientSampleId :

Tgt Ion: 76 Resp: 4439

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 28.678 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX039481.D

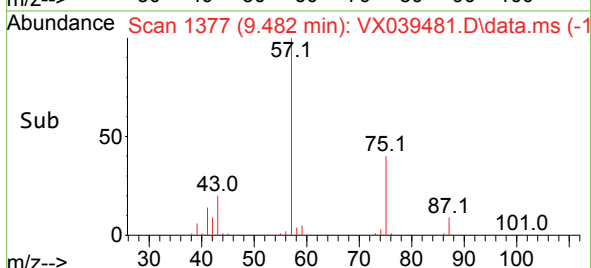
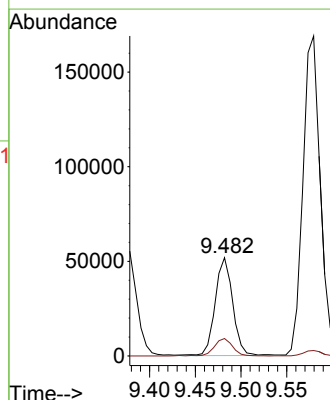
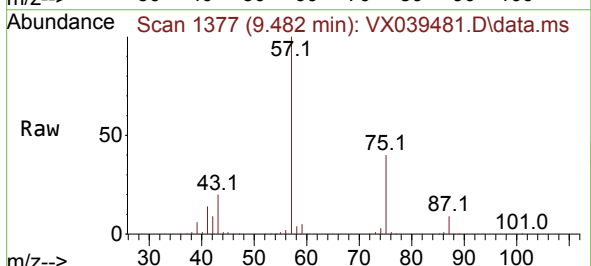
Acq: 26 Dec 2023 20:23

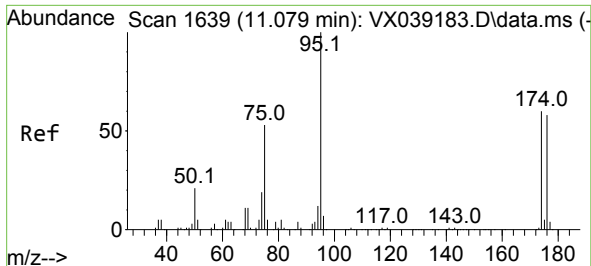
Tgt Ion: 43 Resp: 69007

Ion Ratio Lower Upper

43 100

58 18.5 26.2 78.5#

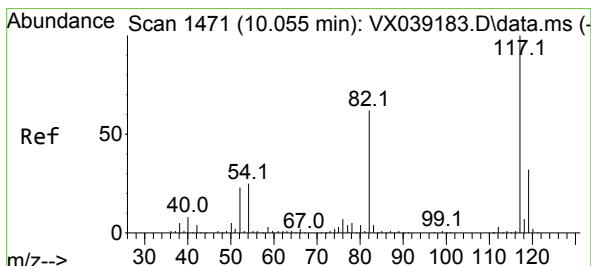
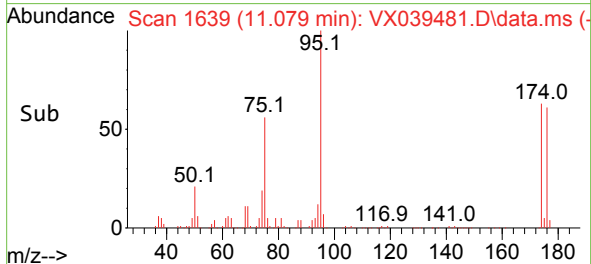
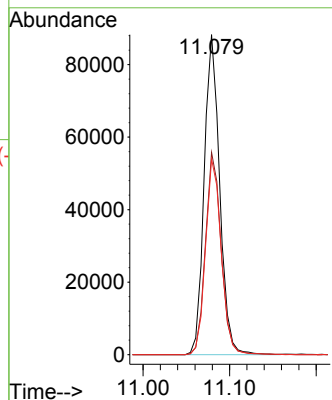
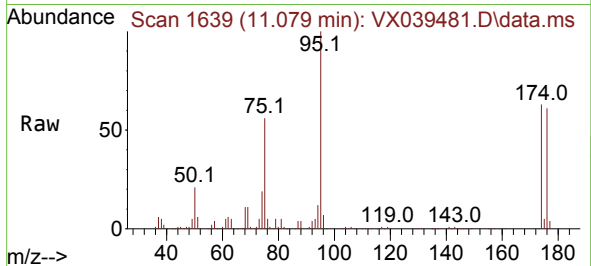




#62
4-Bromofluorobenzene
Concen: 51.871 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

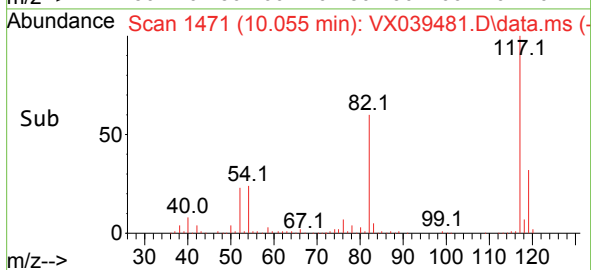
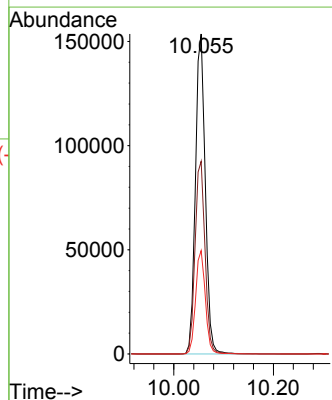
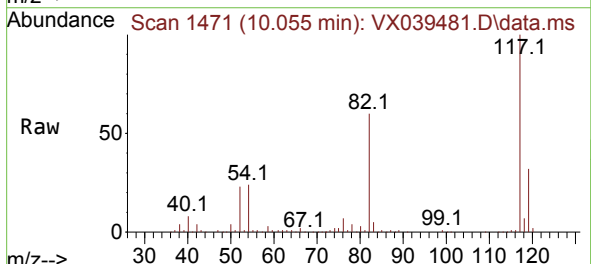
Instrument :
MSVOA_X
ClientSampleId :

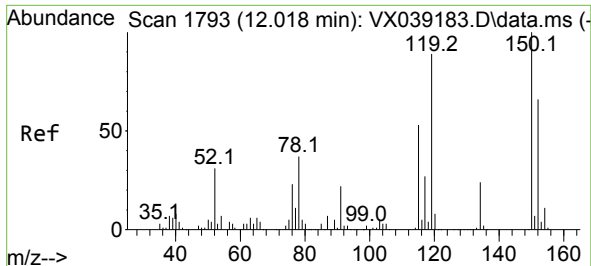
Tgt Ion: 95 Resp: 109670
Ion Ratio Lower Upper
95 100
174 64.0 0.0 135.6
176 62.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

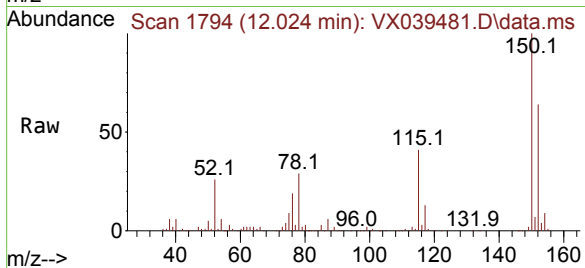
Tgt Ion: 117 Resp: 210309
Ion Ratio Lower Upper
117 100
82 60.2 46.2 69.4
119 32.3 25.5 38.3



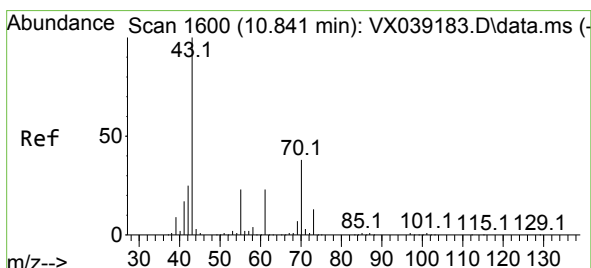
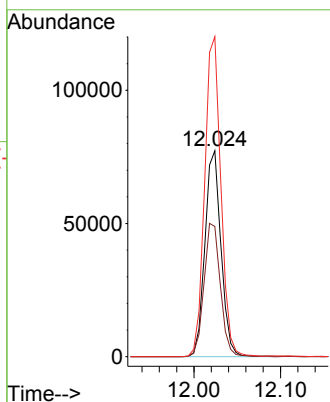
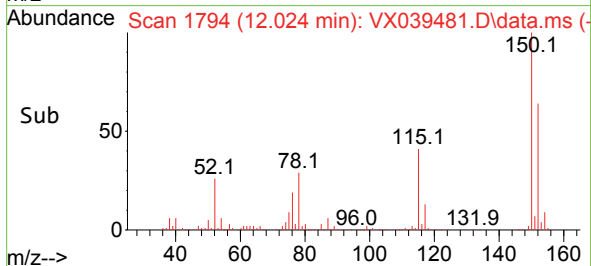


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23

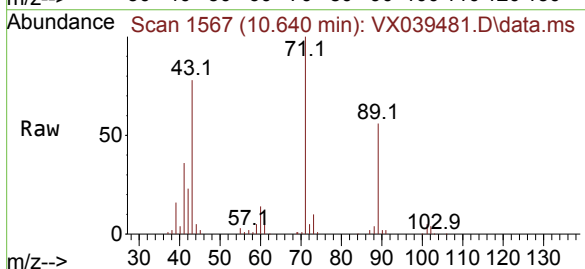
Instrument :
MSVOA_X
ClientSampleId :



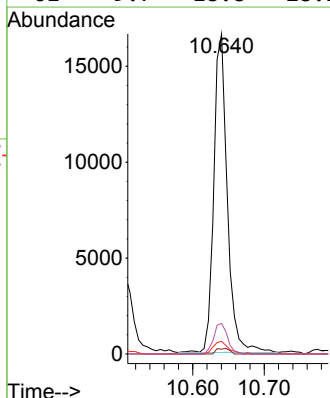
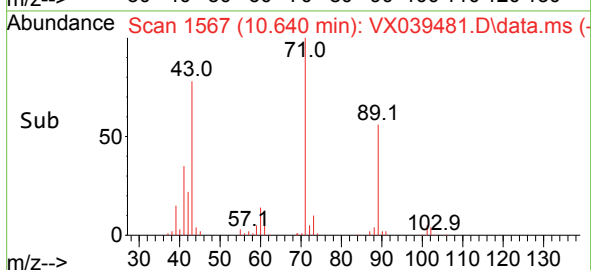
Tgt Ion:152 Resp: 99692
Ion Ratio Lower Upper
152 100
115 66.0 43.3 129.9
150 156.4 0.0 345.0

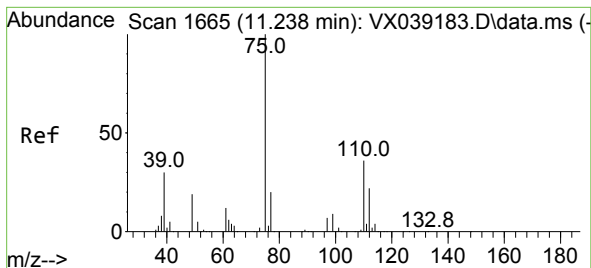


#74
N-ethyl acetate
Concen: 5.593 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX039481.D
Acq: 26 Dec 2023 20:23



Tgt Ion: 43 Resp: 21767
Ion Ratio Lower Upper
43 100
70 1.6 32.9 49.3#
55 4.4 19.3 28.9#
61 9.7 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.772 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Instrument :

MSVOA_X

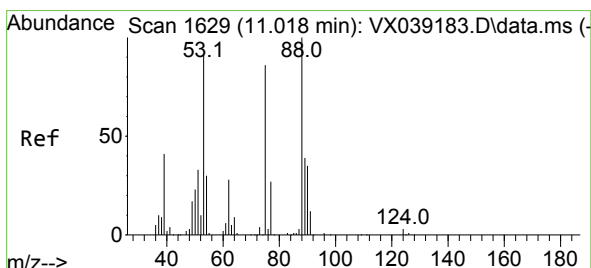
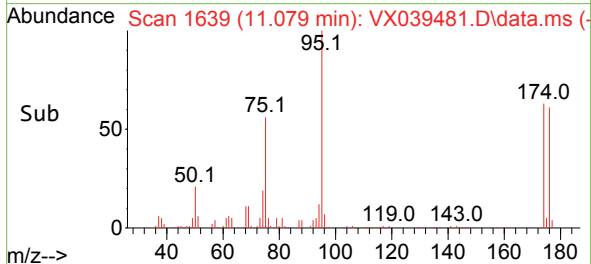
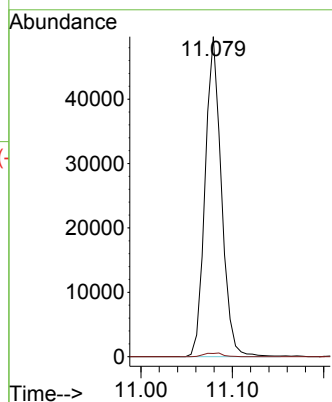
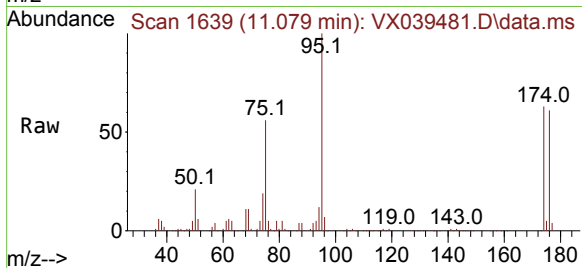
ClientSampleId :

Tgt Ion: 75 Resp: 61314

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.062 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039481.D

Acq: 26 Dec 2023 20:23

Tgt Ion: 75 Resp: 61314

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

