

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042276.D
 Acq On : 10 Jul 2024 18:40
 Operator : JC/MD
 Sample : P3187-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

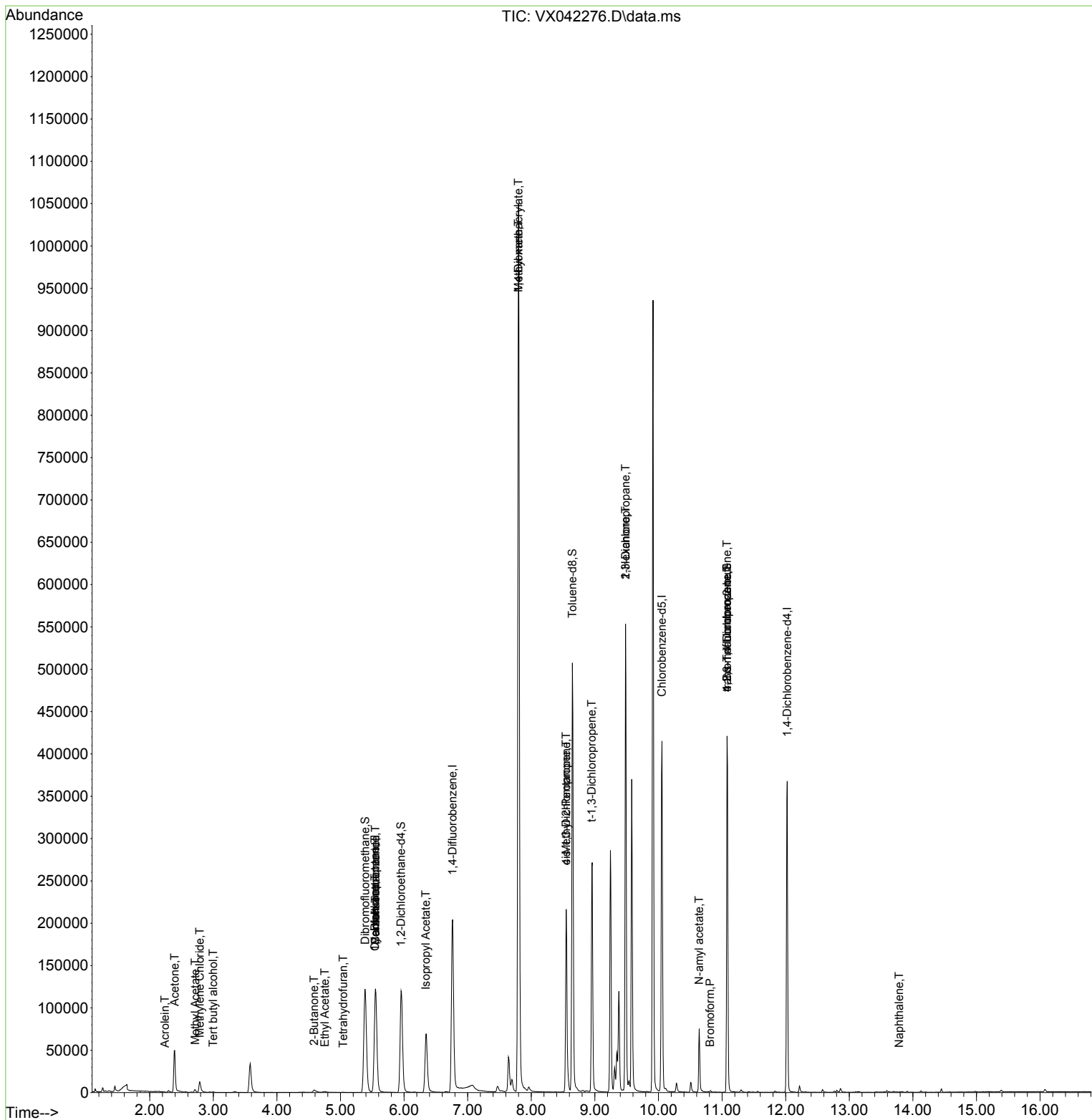
Quant Time: Jul 11 01:02:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

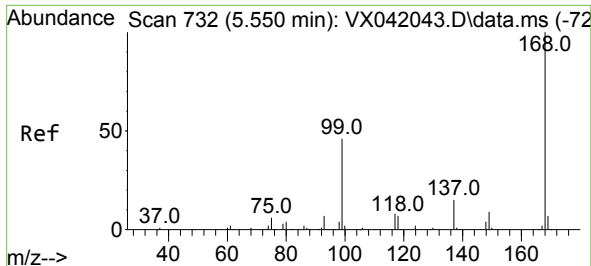
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	138019	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	233841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114807	72.136	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 144.280%#		
35) Dibromofluoromethane	5.385	113	108160	65.187	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 130.380%#		
50) Toluene-d8	8.647	98	308770	52.972	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 105.940%		
62) 4-Bromofluorobenzene	11.079	95	111660	51.966	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 103.940%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	152	Below Cal	#	43
11) Tert butyl alcohol	2.995	59	844	2.794	ug/l #	86
13) Acrolein	2.239	56	149	0.440	ug/l #	37
16) Acetone	2.392	43	60629	86.756	ug/l #	86
18) Methyl Acetate	2.715	43	4331	2.272	ug/l	96
20) Methylene Chloride	2.788	84	7645	4.996	ug/l #	87
25) 2-Butanone	4.587	43	6629	6.097	ug/l #	87
29) Tetrahydrofuran	5.044	42	195	0.278	ug/l #	34
31) Cyclohexane	5.544	56	1946	1.046	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7736	4.391	ug/l #	51
37) Ethyl Acetate	4.751	43	2274	0.991	ug/l #	90
38) Carbon Tetrachloride	5.550	117	11315	5.812	ug/l #	17
43) Isopropyl Acetate	6.342	43	96771	27.468	ug/l #	92
48) Methyl methacrylate	7.799	41	84541	50.282	ug/l #	45
49) 1,4-Dioxane	7.799	88	195	24.227	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	72437	29.849	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	672	1.219	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37200	17.384	ug/l #	49
57) 1,3-Dichloropropane	9.482	76	5021	1.971	ug/l #	42
59) 2-Hexanone	9.482	43	61429	33.049	ug/l #	56
71) Bromoform	10.811	173	40	0.904	ug/l #	29
74) N-amyl acetate	10.640	43	17331	7.032	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	51003	30.789	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51003	87.439	ug/l #	5
95) Naphthalene	13.786	128	183	0.775	ug/l #	69

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

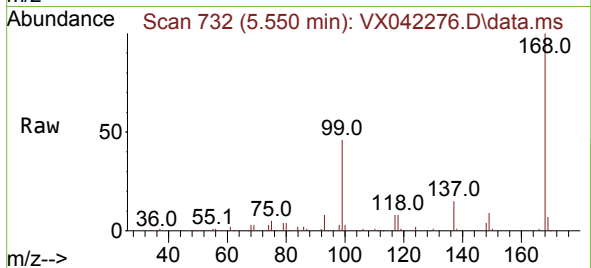
Quant Time: Jul 11 01:02:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



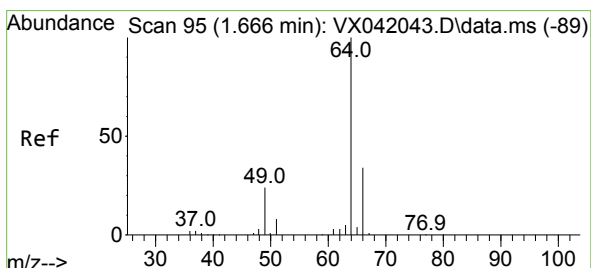
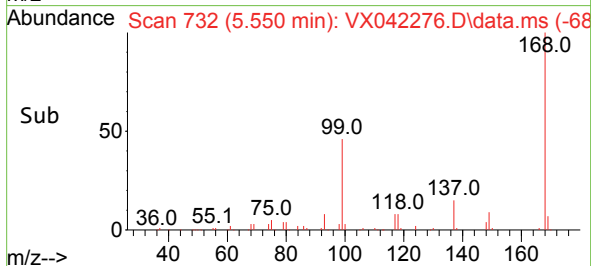
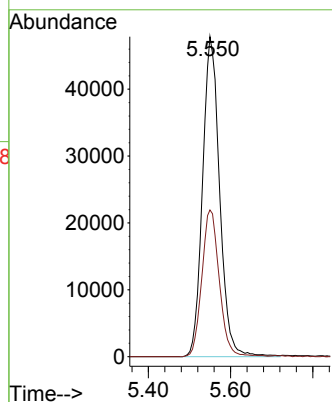


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Instrument :
MSVOA_X
ClientSampleId :

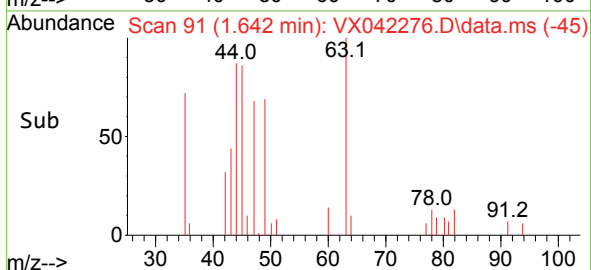
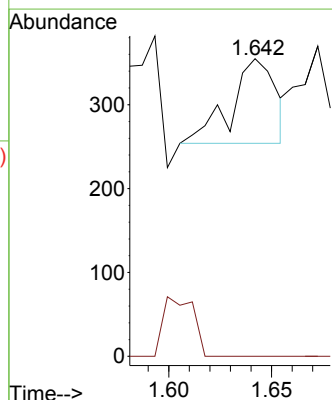
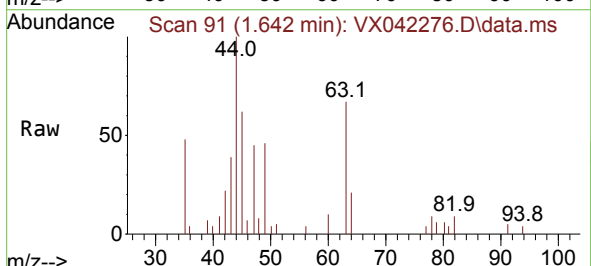


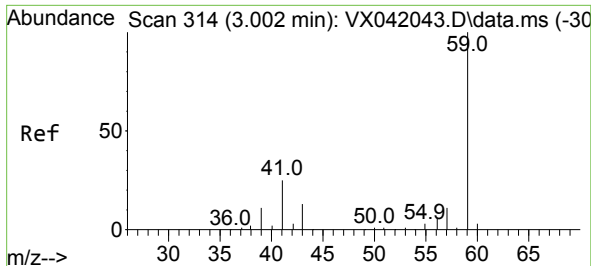
Tgt Ion:168 Resp: 138019
Ion Ratio Lower Upper
168 100
99 45.9 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

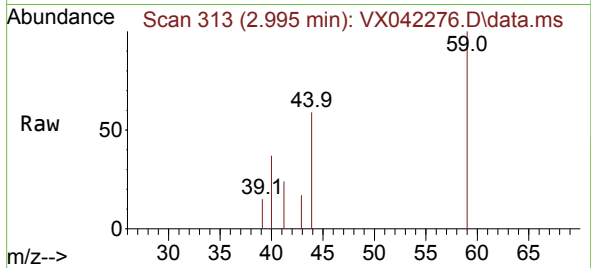
Tgt Ion: 64 Resp: 152
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



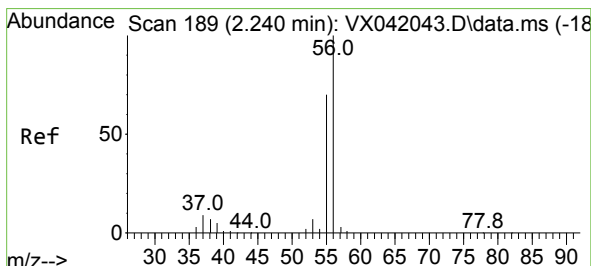
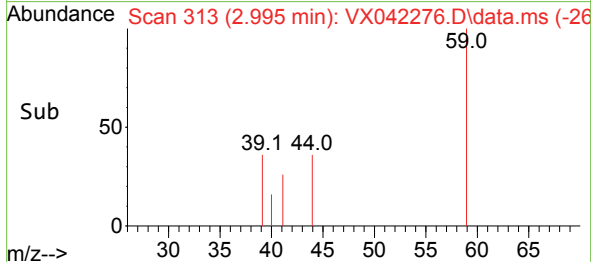
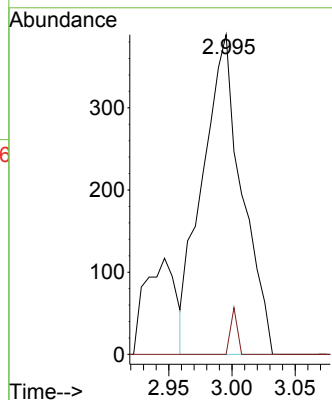


#11
Tert butyl alcohol
Concen: 2.794 ug/l
RT: 2.995 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Instrument :
MSVOA_X
ClientSampleId :

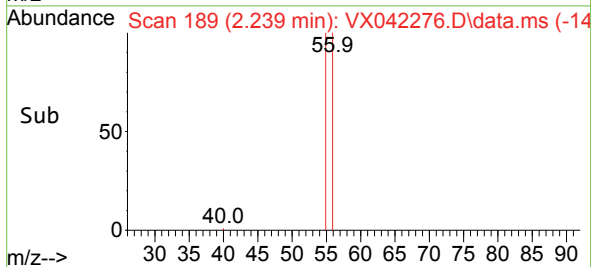
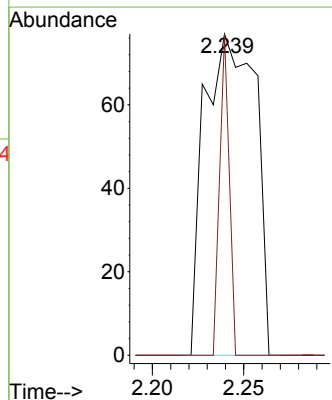
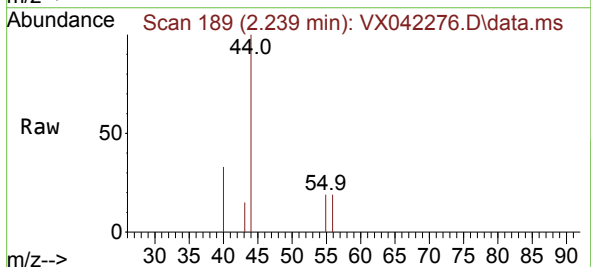


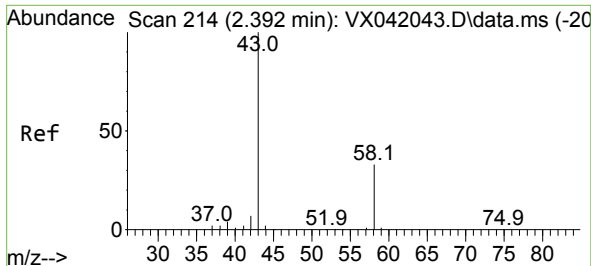
Tgt Ion: 59 Resp: 844
Ion Ratio Lower Upper
59 100
57 2.5 6.0 9.0#



#13
Acrolein
Concen: 0.440 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

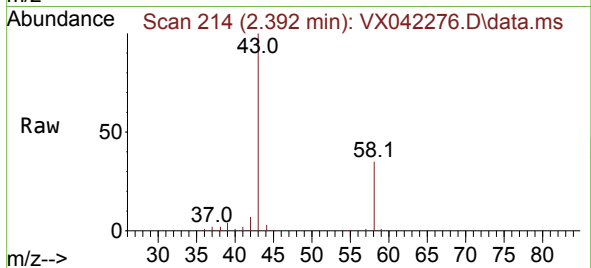
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 18.8 57.1 85.7#



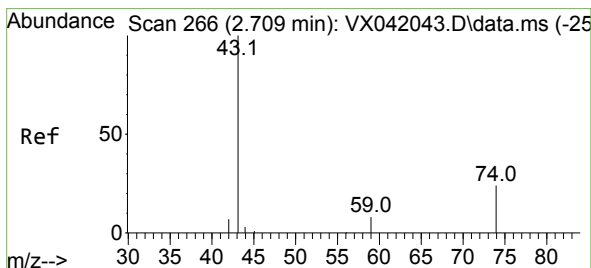
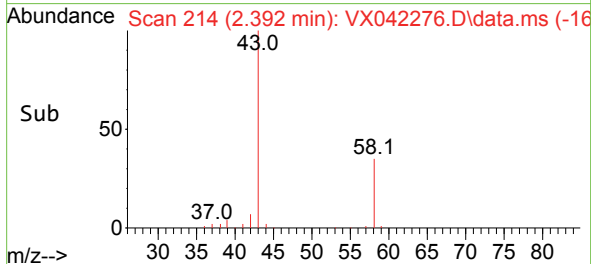
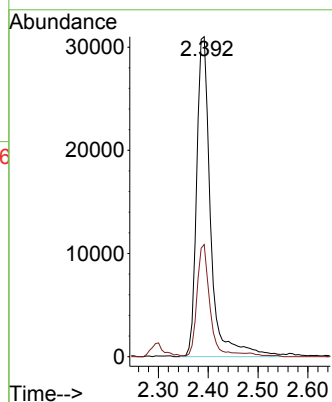


#16
Acetone
Concen: 86.756 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Instrument :
MSVOA_X
ClientSampleId :

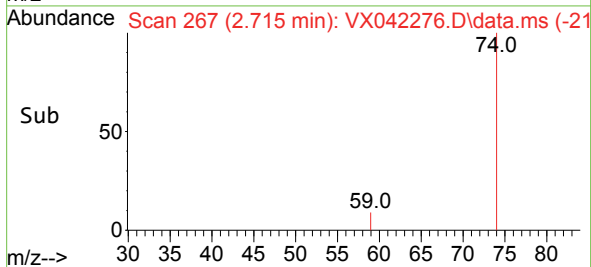
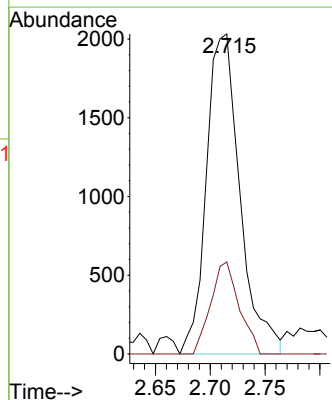
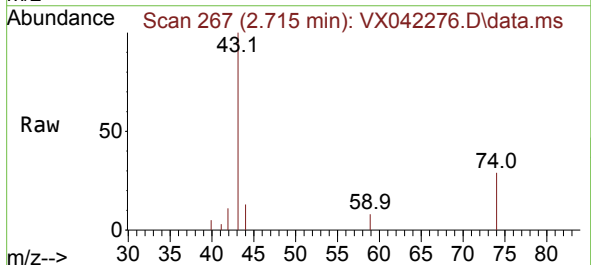


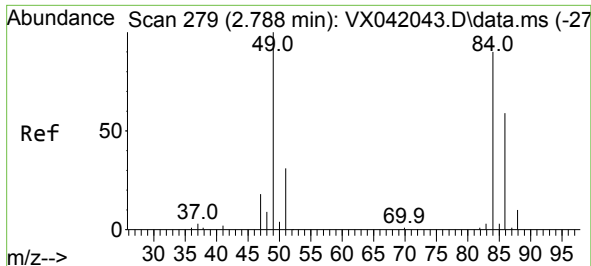
Tgt Ion: 43 Resp: 60629
Ion Ratio Lower Upper
43 100
58 34.8 21.9 32.9#



#18
Methyl Acetate
Concen: 2.272 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Tgt Ion: 43 Resp: 4331
Ion Ratio Lower Upper
43 100
74 24.2 17.8 26.8





#20

Methylene Chloride

Concen: 4.996 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

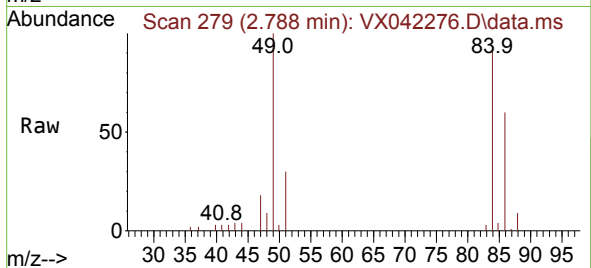
Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7645

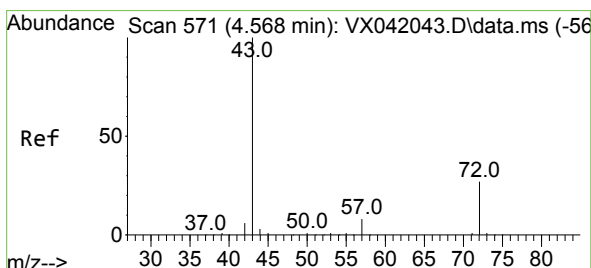
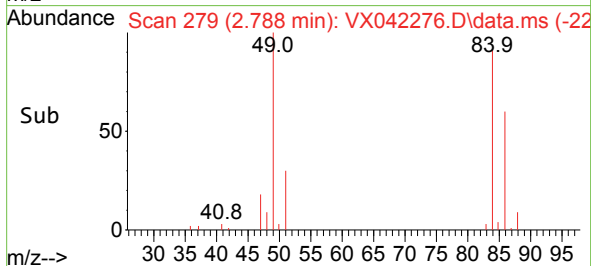
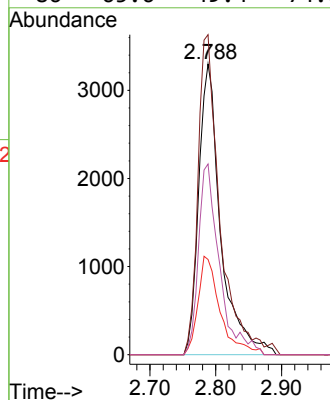
Ion Ratio Lower Upper

84 100

49 110.1 103.6 155.4

51 32.7 33.8 50.6#

86 65.6 49.4 74.0



#25

2-Butanone

Concen: 6.097 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.012 min

Lab File: VX042276.D

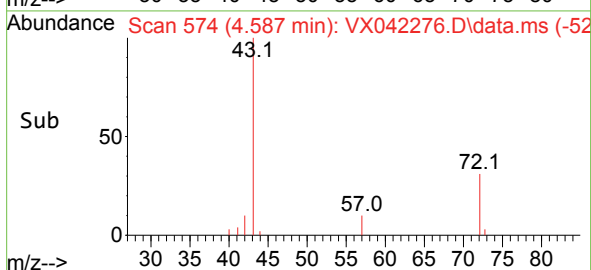
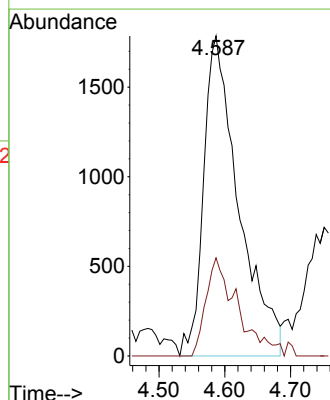
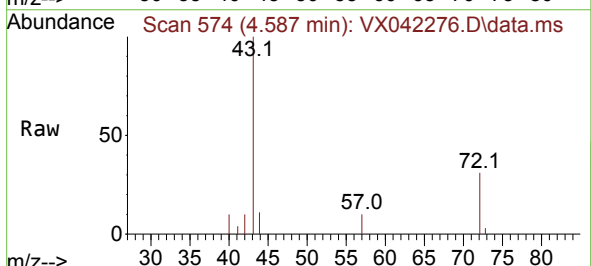
Acq: 10 Jul 2024 18:40

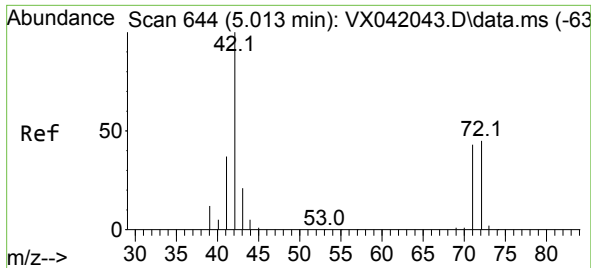
Tgt Ion: 43 Resp: 6629

Ion Ratio Lower Upper

43 100

72 30.6 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.025 min

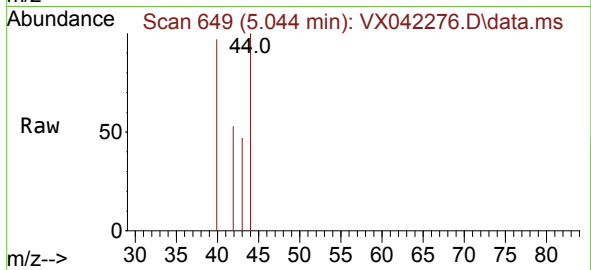
Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

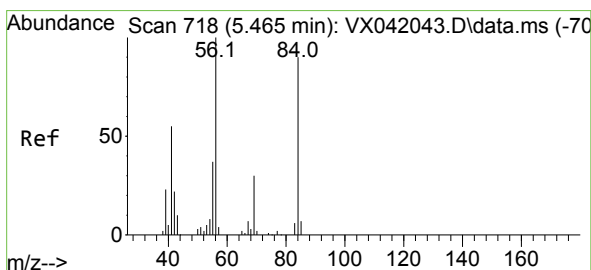
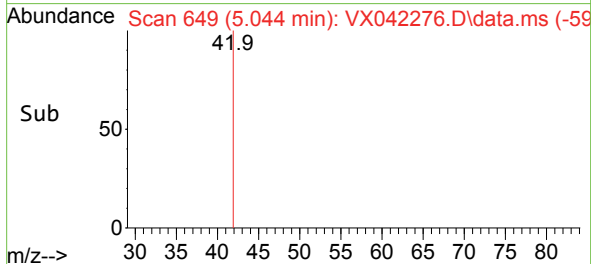
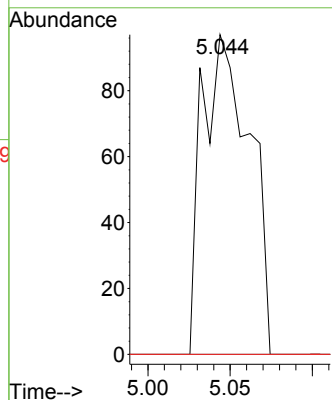
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	195
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.046 ug/l

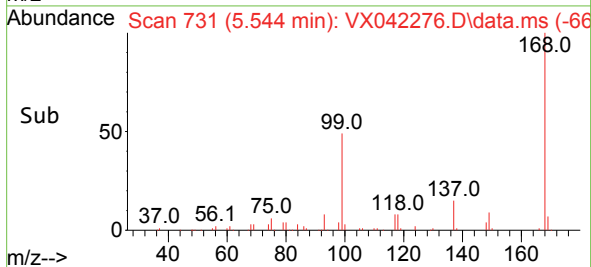
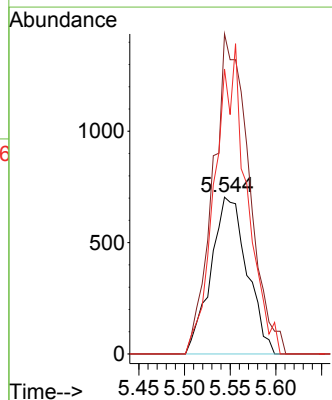
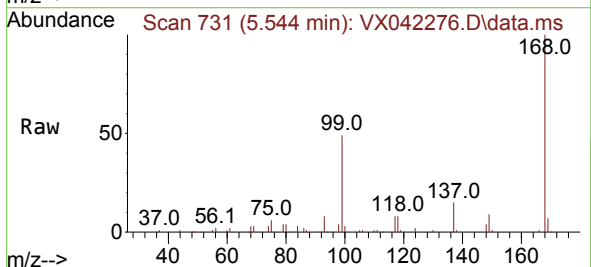
RT: 5.544 min Scan# 731

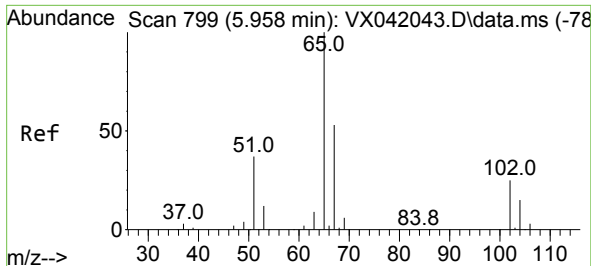
Delta R.T. 0.079 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

Tgt Ion:	56	Resp:	1946
Ion Ratio	Lower	Upper	
56	100		
69	204.1	23.4	35.2#
84	181.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 72.136 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

Instrument :

MSVOA_X

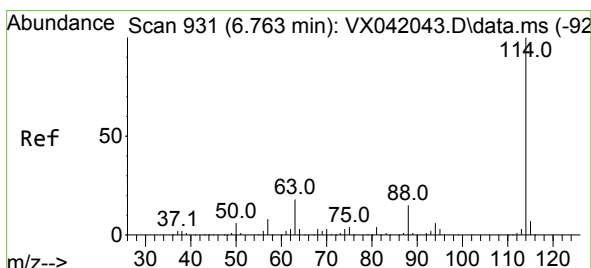
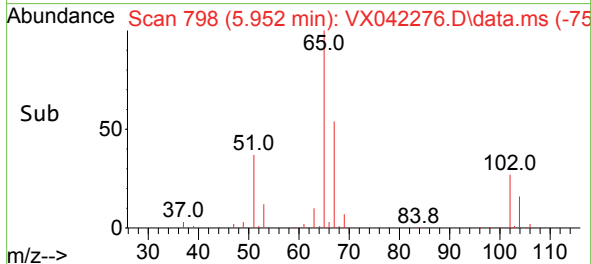
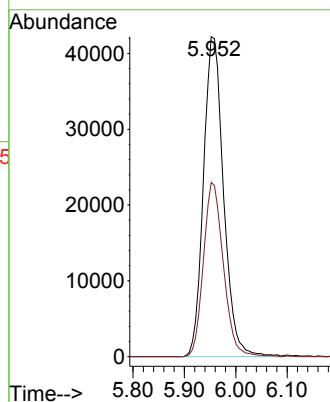
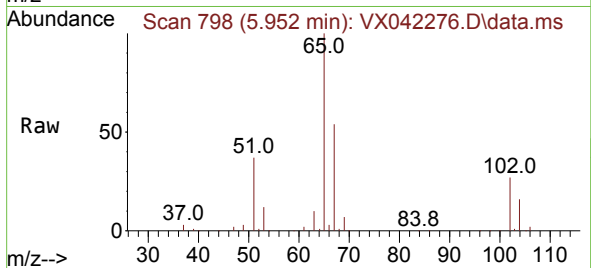
ClientSampleId :

Tgt Ion: 65 Resp: 114807

Ion Ratio Lower Upper

65 100

67 54.1 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: VX042276.D

Acq: 10 Jul 2024 18:40

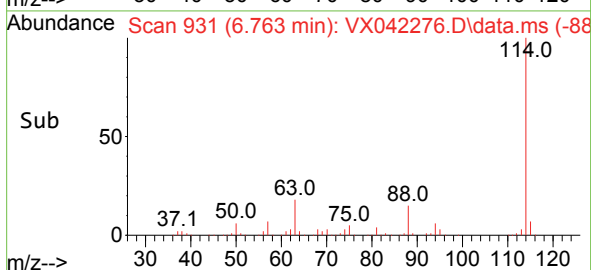
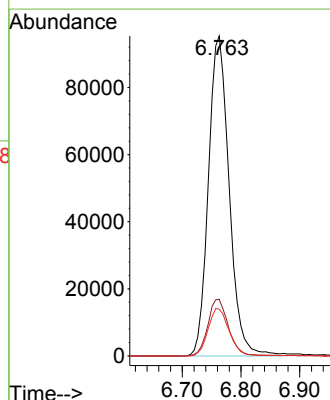
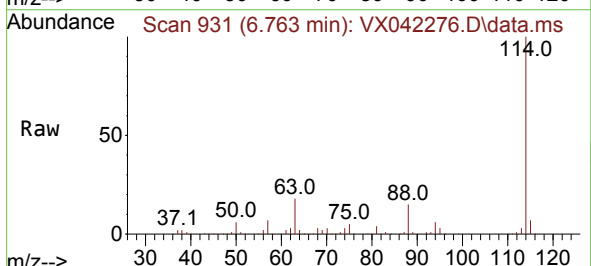
Tgt Ion:114 Resp: 233841

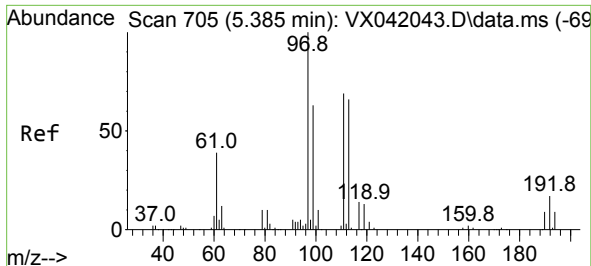
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

88 14.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 65.187 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

Instrument :

MSVOA_X

ClientSampleId :

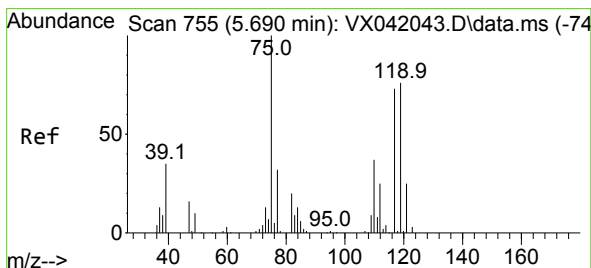
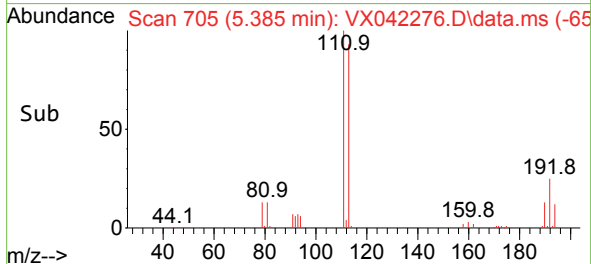
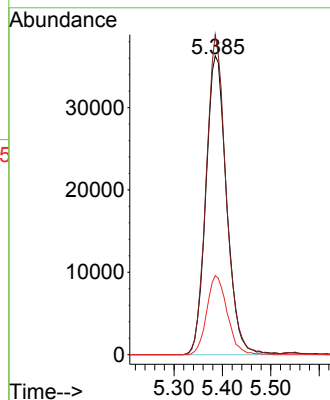
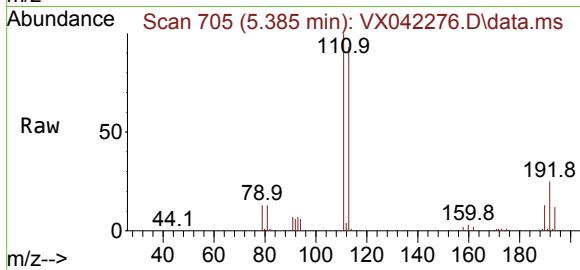
Tgt Ion:113 Resp: 108160

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 26.1 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

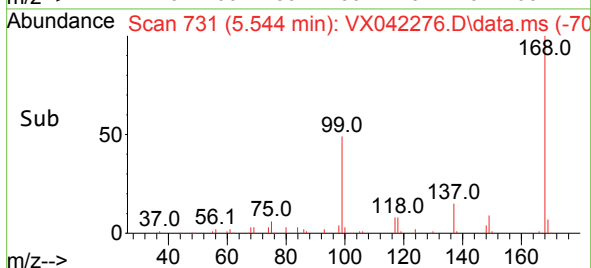
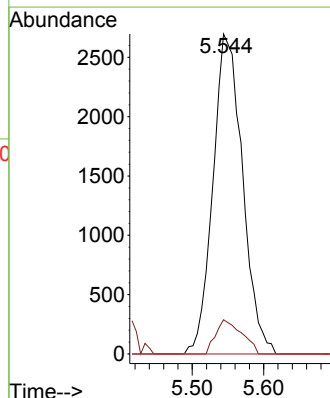
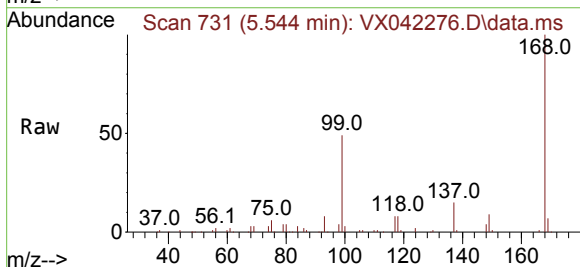
Tgt Ion: 75 Resp: 7736

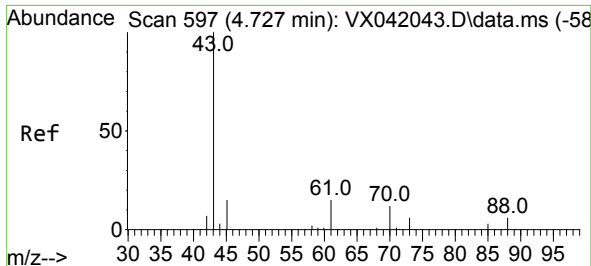
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.991 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.025 min

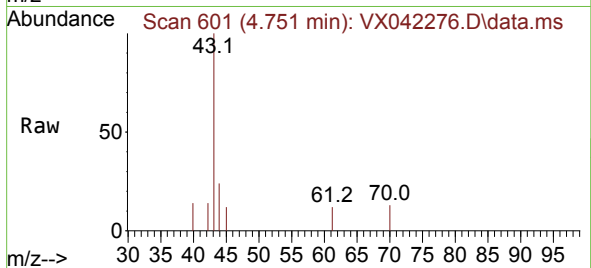
Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

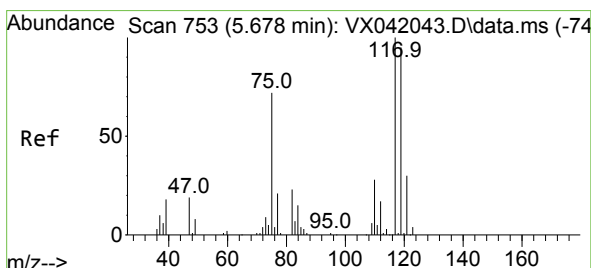
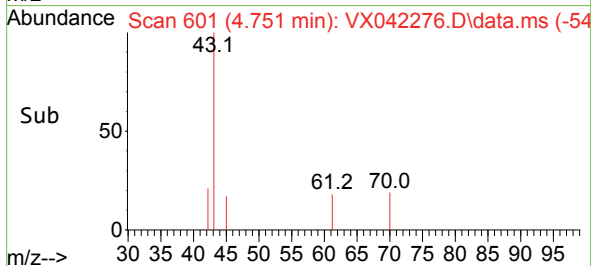
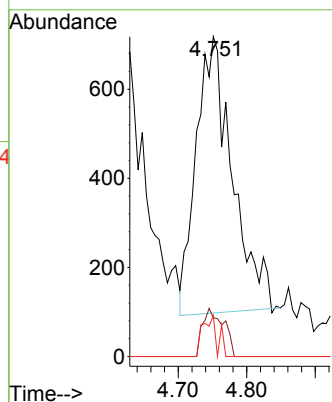
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2274
Ion Ratio	Lower Upper
43	100
61	10.1 10.6 16.0#
70	6.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.812 ug/l

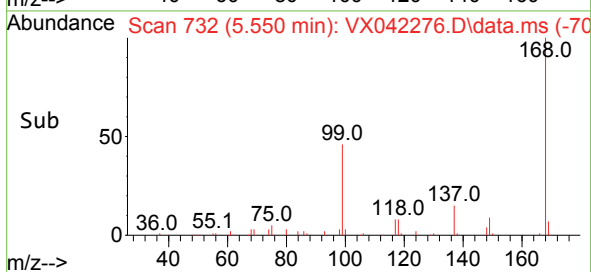
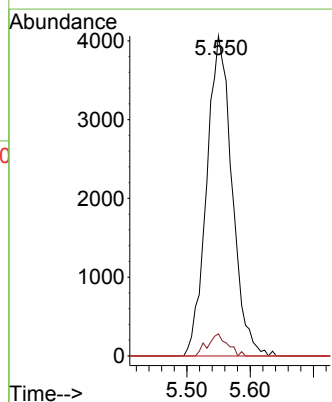
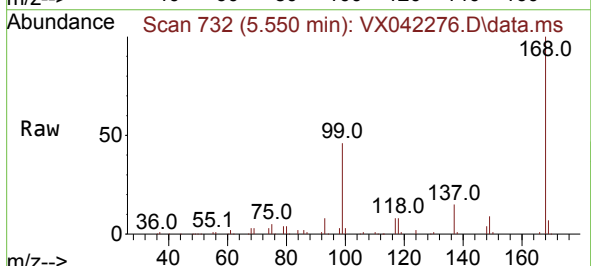
RT: 5.550 min Scan# 732

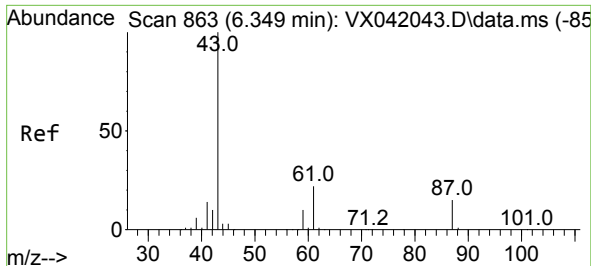
Delta R.T. -0.128 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

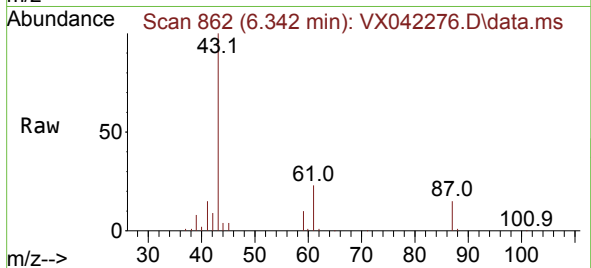
Tgt Ion: 117	Resp: 11315
Ion Ratio	Lower Upper
117	100
119	6.9 78.2 117.2#
121	0.0 24.4 36.6#



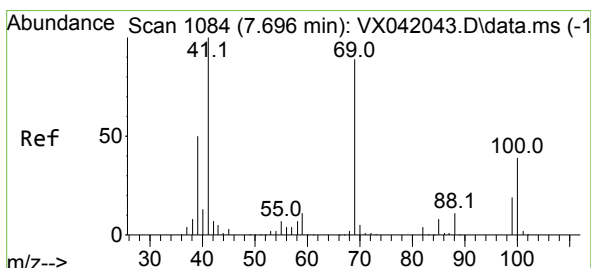
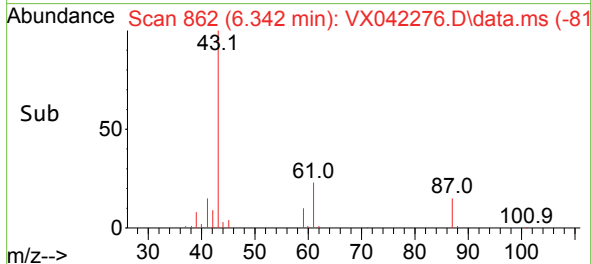
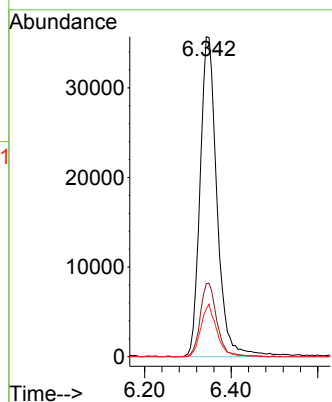


#43
Isopropyl Acetate
Concen: 27.468 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Instrument :
MSVOA_X
ClientSampleId :

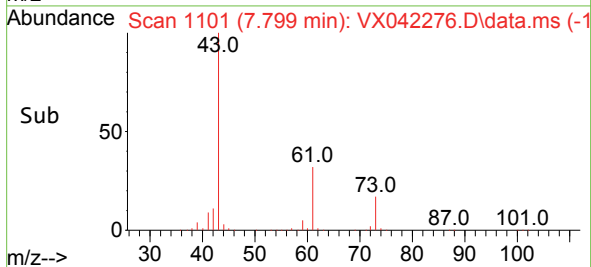
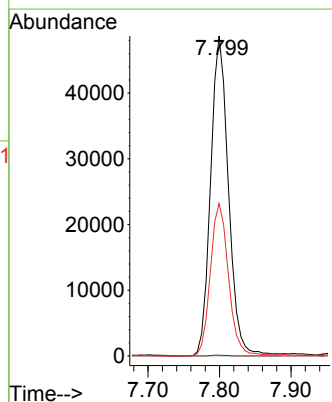
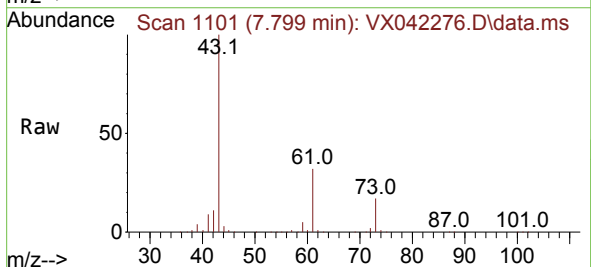


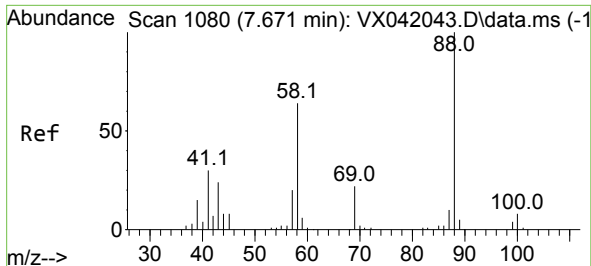
Tgt Ion: 43 Resp: 96771
Ion Ratio Lower Upper
43 100
61 22.3 15.2 22.8
87 15.4 9.8 14.6#



#48
Methyl methacrylate
Concen: 50.282 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

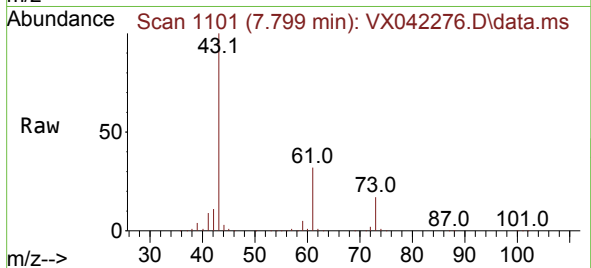
Tgt Ion: 41 Resp: 84541
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 48.3 47.7 71.5



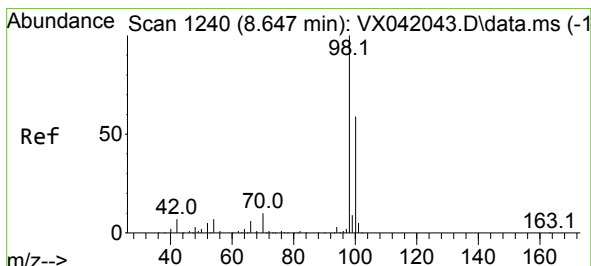
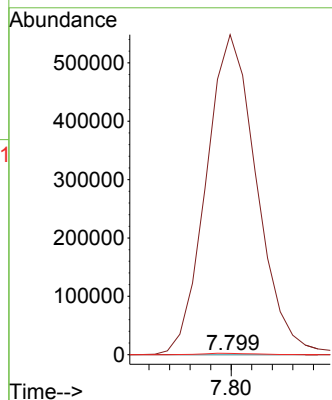
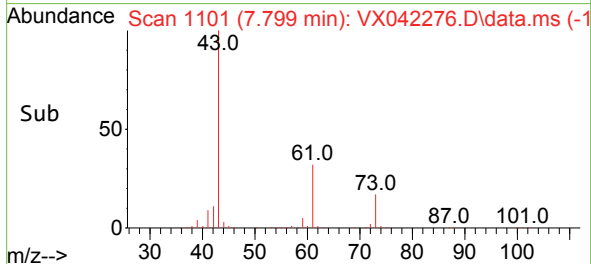


#49
1,4-Dioxane
Concen: 24.227 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Instrument :
MSVOA_X
ClientSampleId :

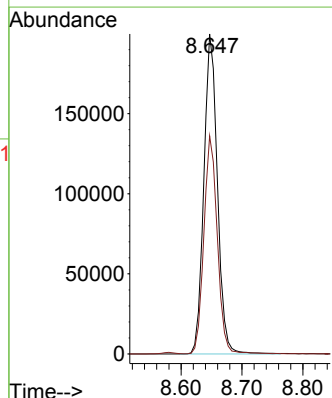
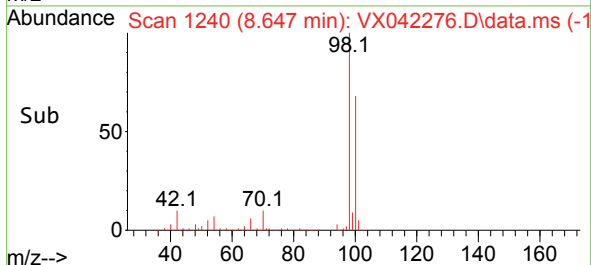
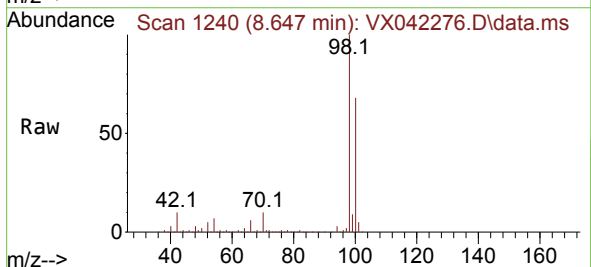


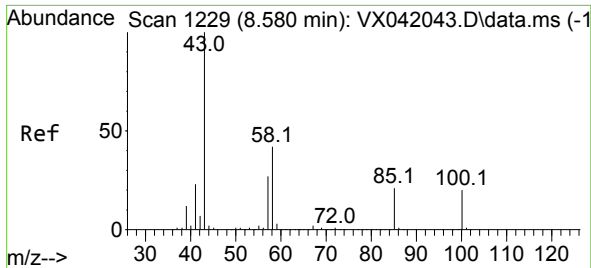
Tgt Ion: 88 Resp: 195
Ion Ratio Lower Upper
88 100
43 487986.7 0.0 0.0#
58 2202.1 60.1 90.1#



#50
Toluene-d8
Concen: 52.972 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Tgt Ion: 98 Resp: 308770
Ion Ratio Lower Upper
98 100
100 67.7 53.1 79.7

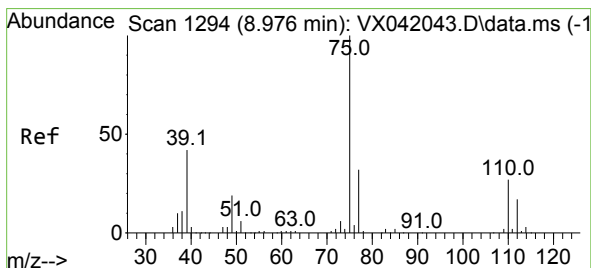
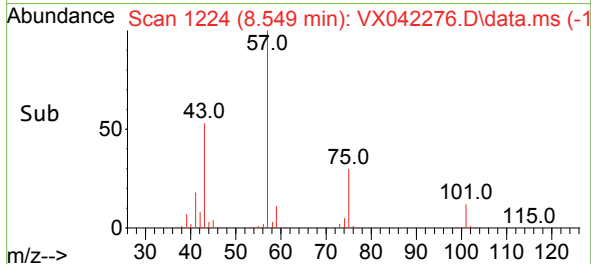
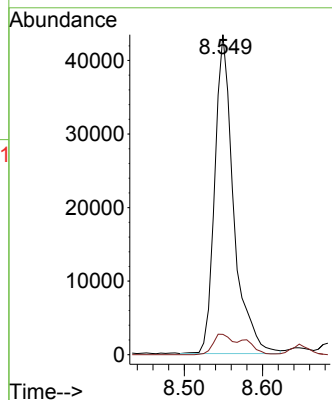
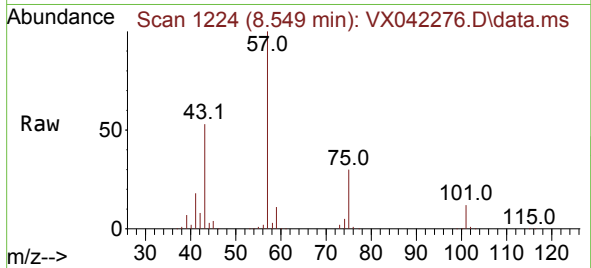




#51
4-Methyl-2-Pentanone
Concen: 29.849 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

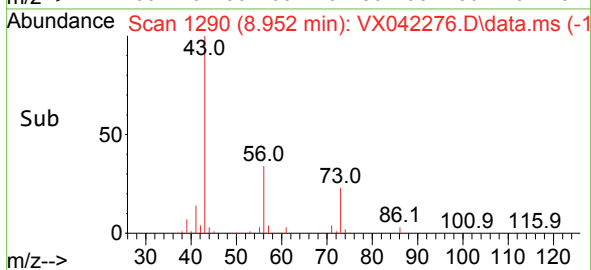
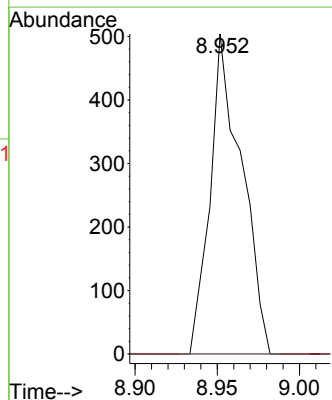
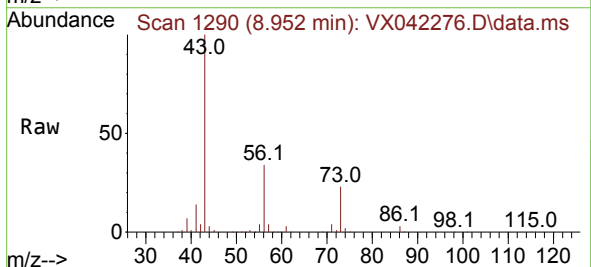
Instrument :
MSVOA_X
ClientSampleId :

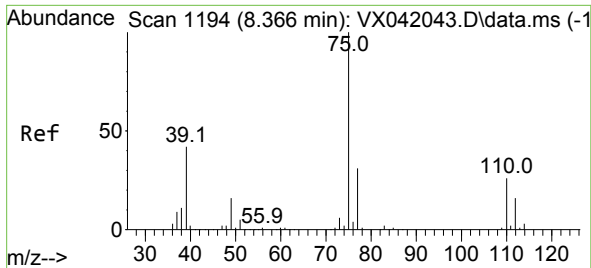
Tgt Ion: 43 Resp: 72437
Ion Ratio Lower Upper
43 100
58 6.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.219 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Tgt Ion: 75 Resp: 672
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

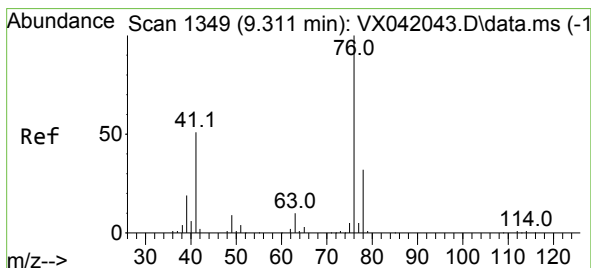
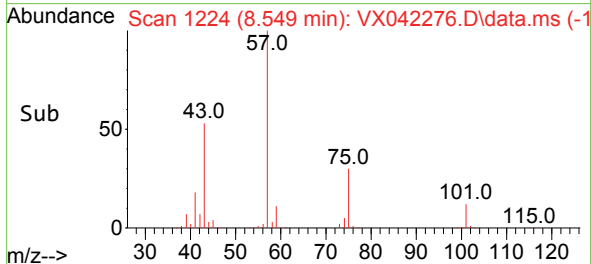
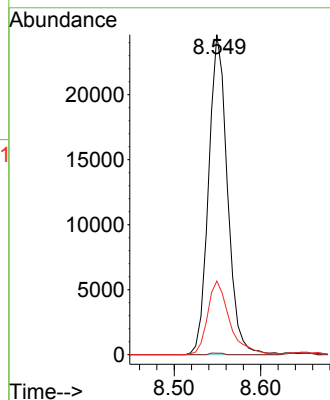
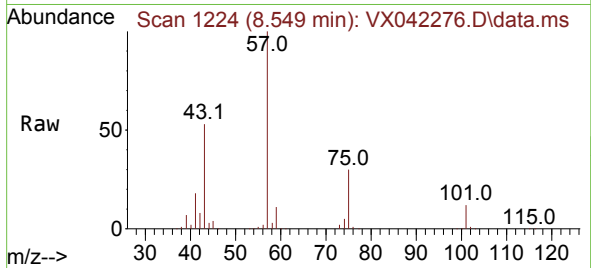




#54
 cis-1,3-Dichloropropene
 Concen: 17.384 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042276.D
 Acq: 10 Jul 2024 18:40

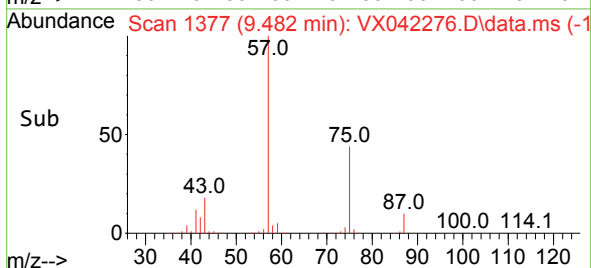
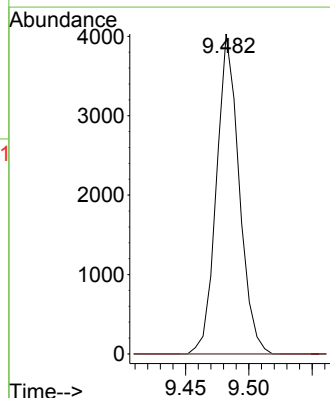
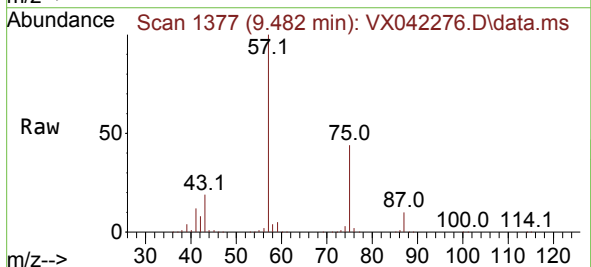
Instrument :
 MSVOA_X
 ClientSampleId :

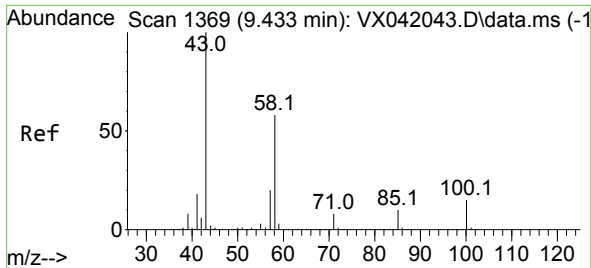
Tgt Ion: 75 Resp: 37200
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 23.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.971 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX042276.D
 Acq: 10 Jul 2024 18:40

Tgt Ion: 76 Resp: 5021
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

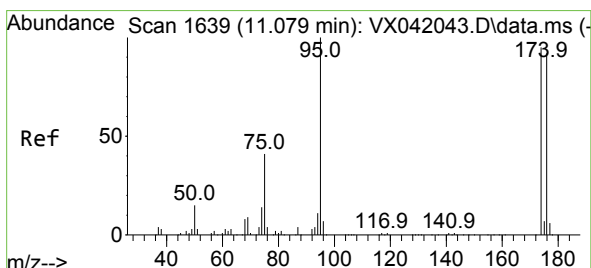
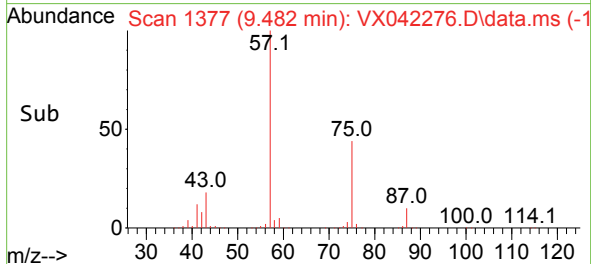
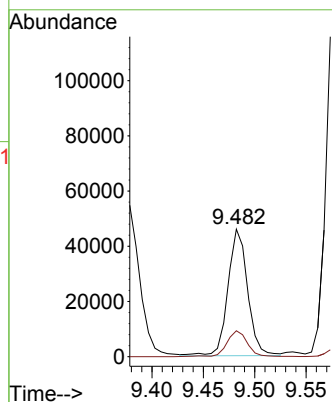
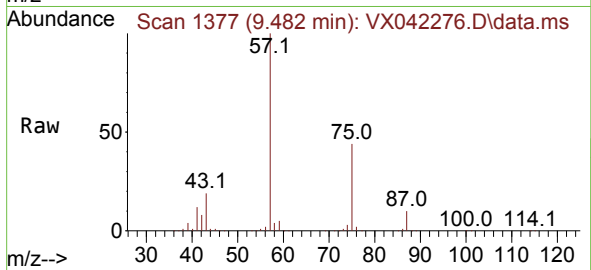




#59
2-Hexanone
Concen: 33.049 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

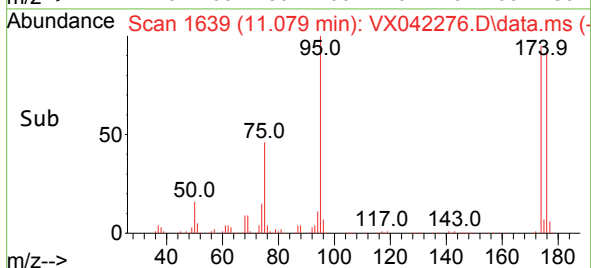
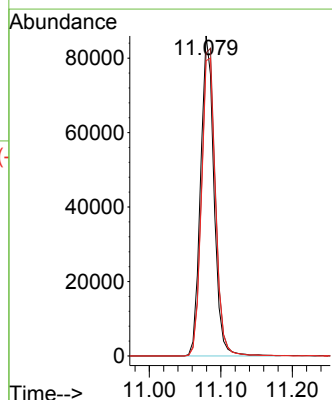
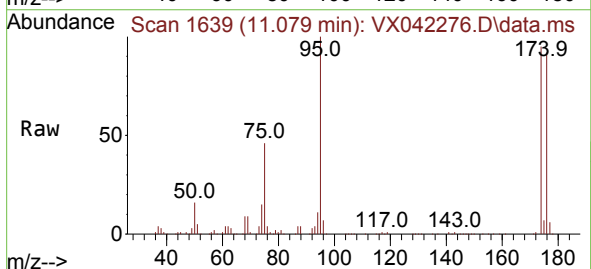
Instrument :
MSVOA_X
ClientSampleId :

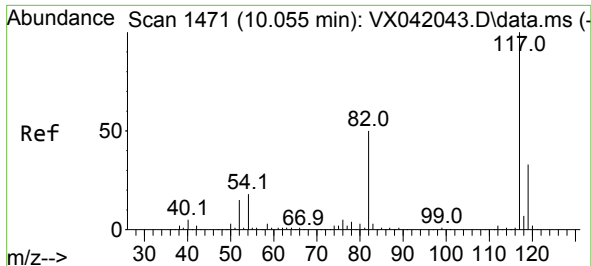
Tgt Ion: 43 Resp: 61429
Ion Ratio Lower Upper
43 100
58 21.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.966 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

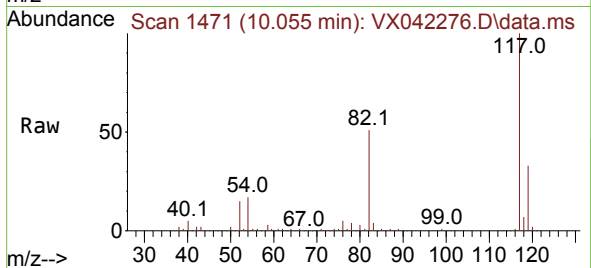
Tgt Ion: 95 Resp: 111660
Ion Ratio Lower Upper
95 100
174 100.8 0.0 135.6
176 97.5 0.0 131.0



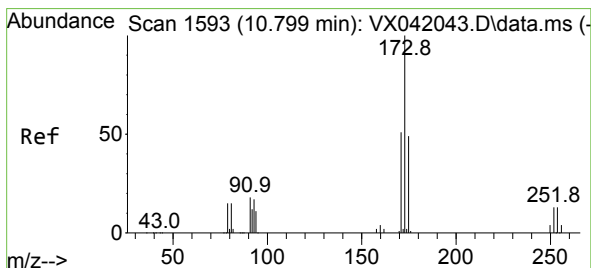
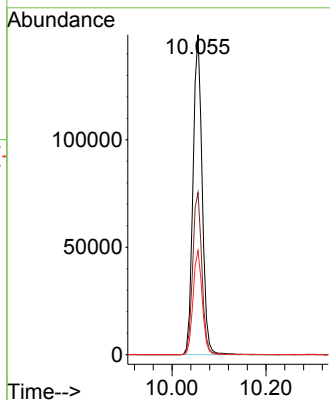
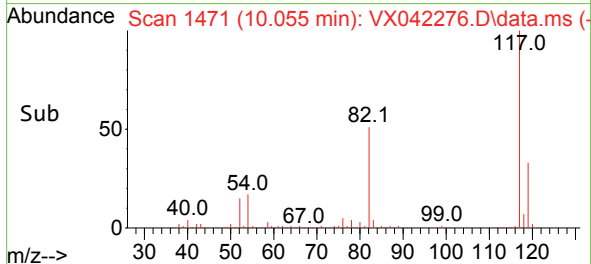


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

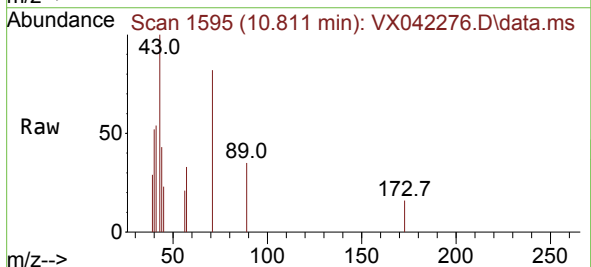
Instrument :
MSVOA_X
ClientSampleId :



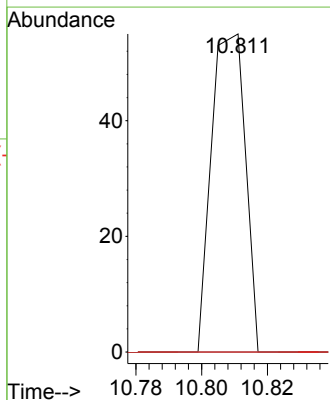
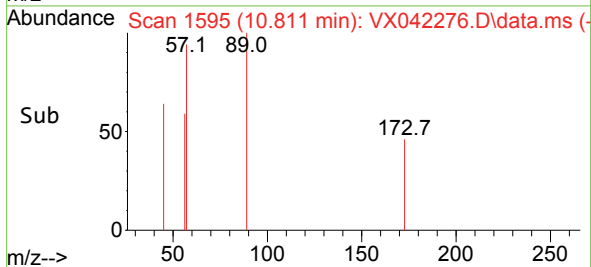
Tgt Ion:117 Resp: 202569
Ion Ratio Lower Upper
117 100
82 50.6 46.2 69.4
119 32.5 25.5 38.3

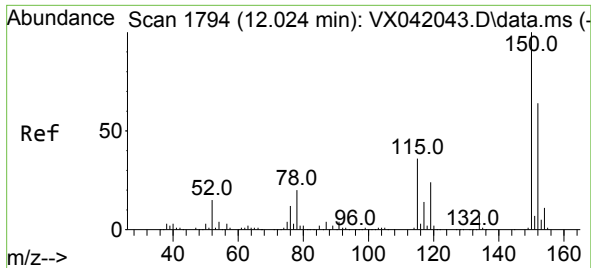


#71
Bromoform
Concen: 0.904 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. 0.012 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40



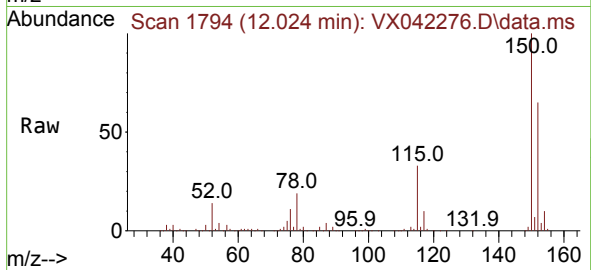
Tgt Ion:173 Resp: 40
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



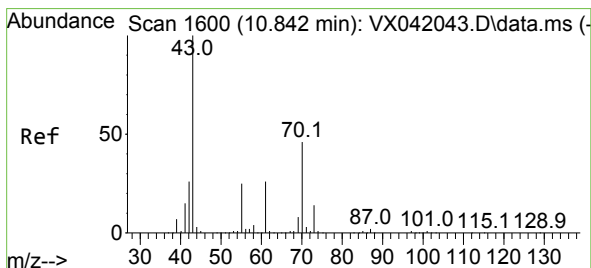
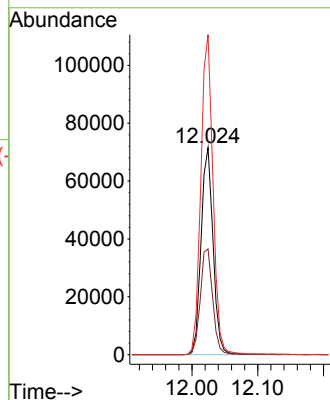
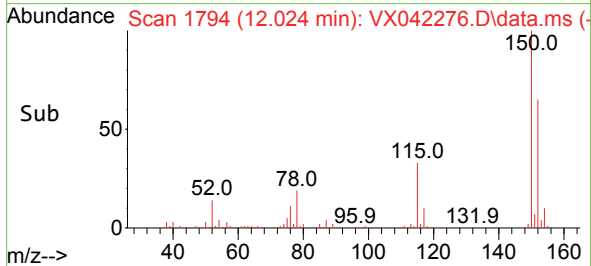


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

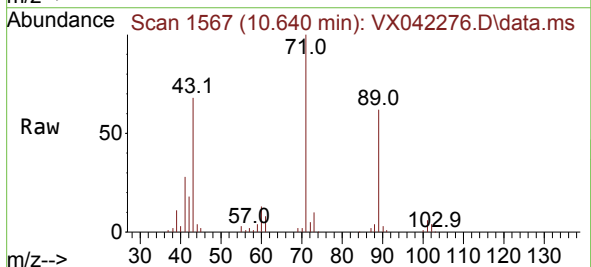
Instrument :
MSVOA_X
ClientSampleId :



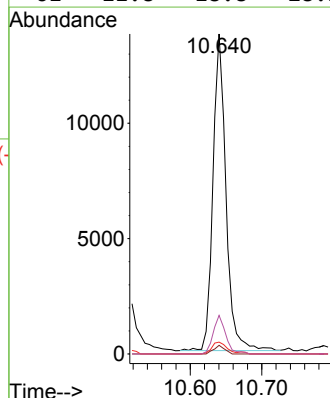
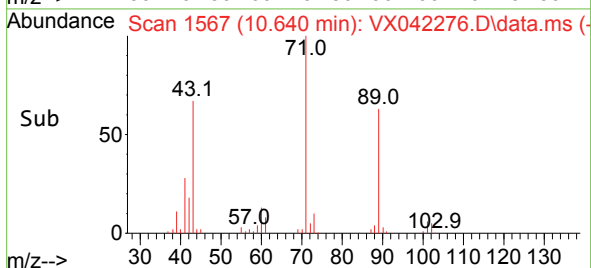
Tgt Ion:152 Resp: 91248
Ion Ratio Lower Upper
152 100
115 52.5 43.3 129.9
150 155.9 0.0 345.0

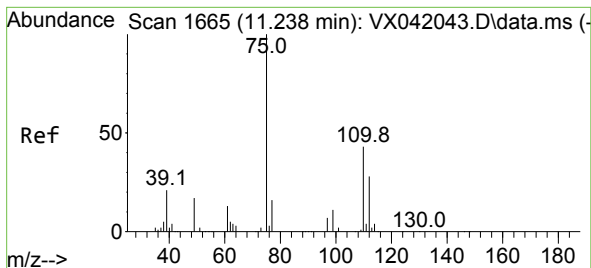


#74
N-ethyl acetate
Concen: 7.032 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40



Tgt Ion: 43 Resp: 17331
Ion Ratio Lower Upper
43 100
70 2.3 32.9 49.3#
55 4.6 19.3 28.9#
61 11.8 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 30.789 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

Instrument :

MSVOA_X

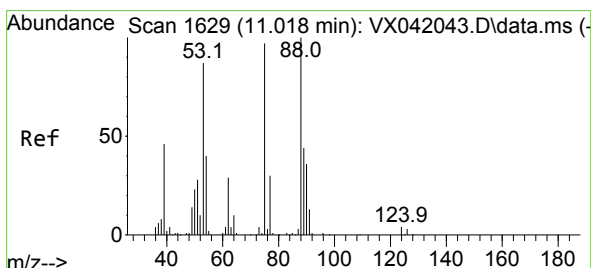
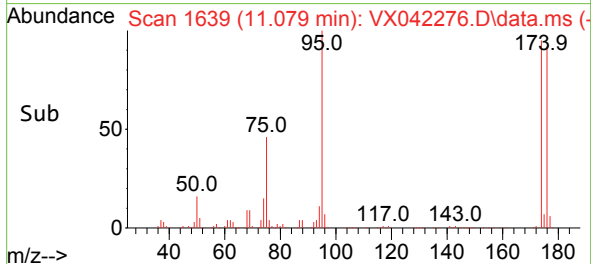
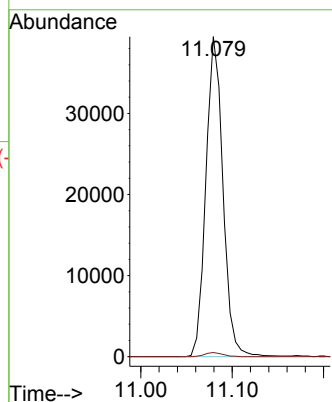
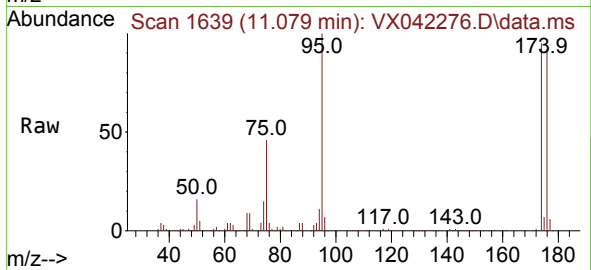
ClientSampleId :

Tgt Ion: 75 Resp: 51003

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.439 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042276.D

Acq: 10 Jul 2024 18:40

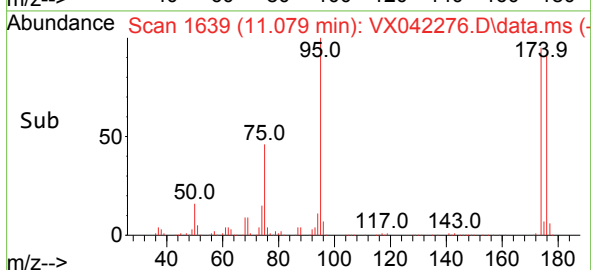
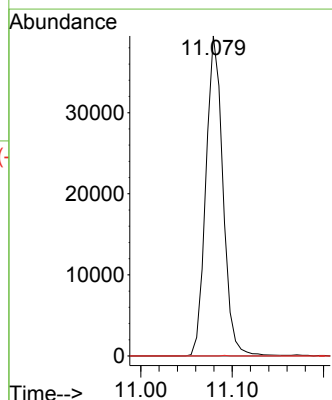
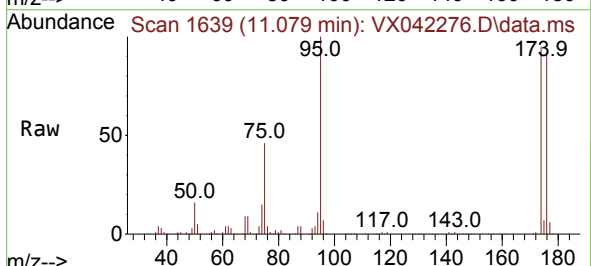
Tgt Ion: 75 Resp: 51003

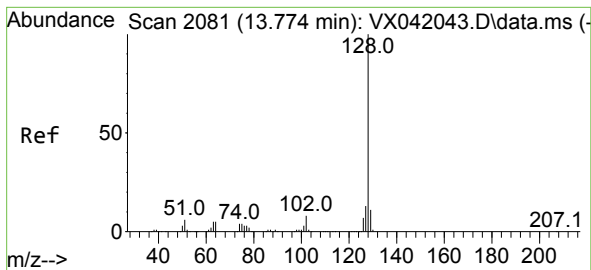
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

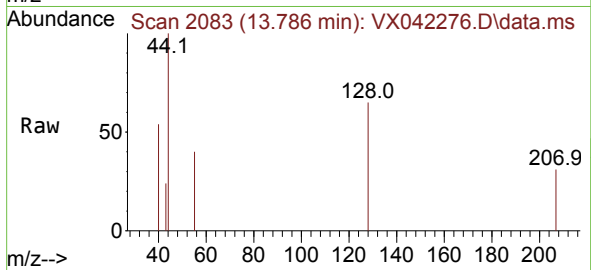
89 0.1 36.9 55.3#





#95
Naphthalene
Concen: 0.775 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042276.D
Acq: 10 Jul 2024 18:40

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

