

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041960.D
 Acq On : 20 Jun 2024 13:01
 Operator : JC/MD
 Sample : P2931-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:16:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

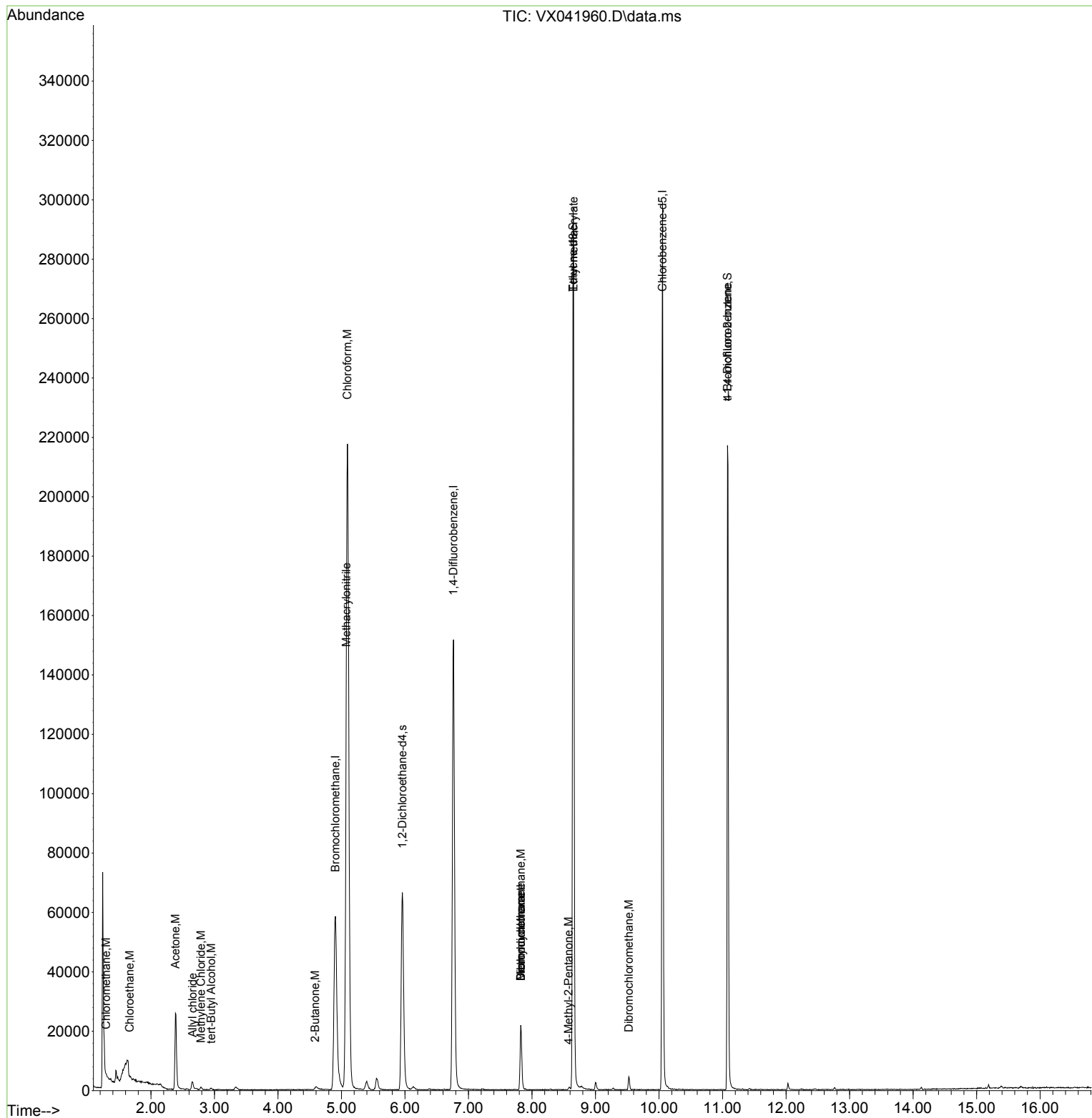
Internal Standards						
1) Bromochloromethane	4.903	128	30253	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	166332	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144022	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64579	31.009	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.367%
60) 4-Bromofluorobenzene	11.079	95	60098	26.958	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.867%
63) Toluene-d8	8.647	98	188600	30.608	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	672	0.307	ug/l #	79
6) Chloroethane	1.666	64	556	0.608	ug/l #	56
15) Acetone	2.386	58	9434	29.476	ug/l	92
17) Allyl chloride	2.654	41	3322	1.183	ug/l #	38
18) Methylene Chloride	2.788	84	466	0.220	ug/l	92
23) tert-Butyl Alcohol	2.946	59	309	0.743	ug/l #	100
25) Chloroform	5.092	83	274620	81.963	ug/l	99
30) 2-Butanone	4.586	43	733	0.505	ug/l #	58
35) Methacrylonitrile	5.074	41	396	0.272	ug/l #	25
38) Methylcyclohexane	7.824	83	14243	4.953	ug/l #	18
40) Dibromomethane	7.824	93	463	0.363	ug/l #	1
41) Bromodichloromethane	7.824	83	14740	6.456	ug/l	98
51) Ethyl methacrylate	8.653	69	596	0.202	ug/l	93
53) Dibromochloromethane	9.525	129	2355	1.161	ug/l	98
58) 4-Methyl-2-Pentanone	8.573	43	527	0.204	ug/l #	41
77) t-1,4-Dichloro-2-butene	11.079	75	27216	32.667	ug/l #	7

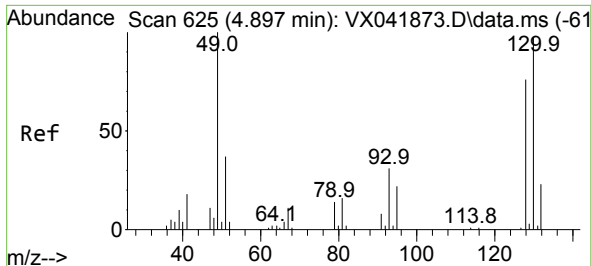
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
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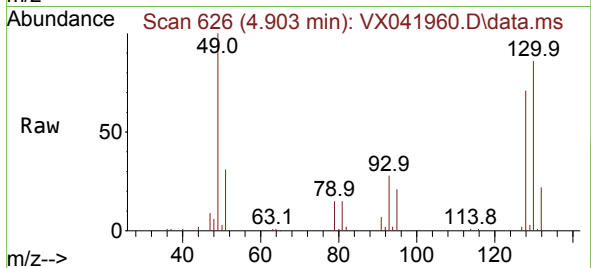
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



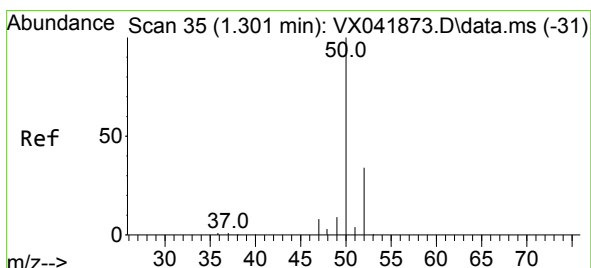
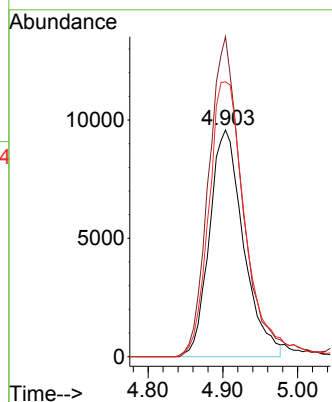
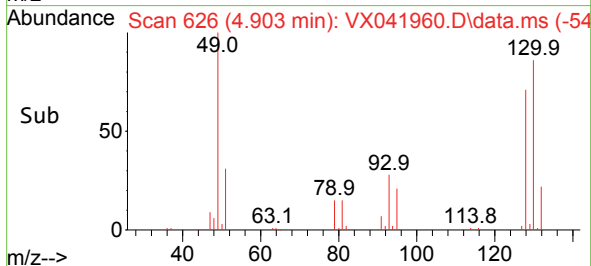


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :

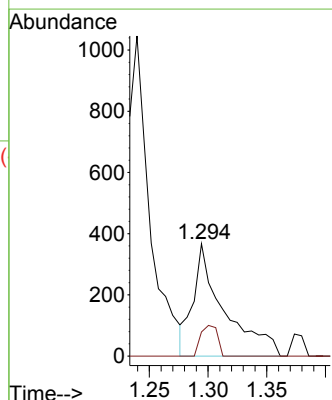
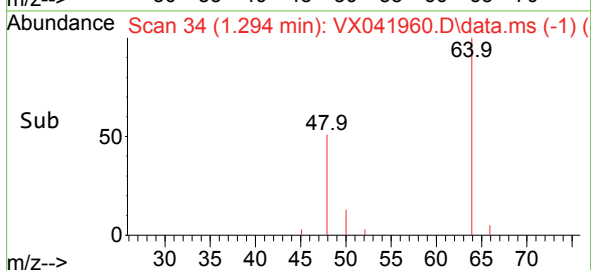
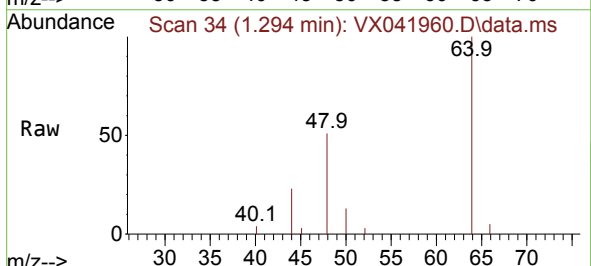


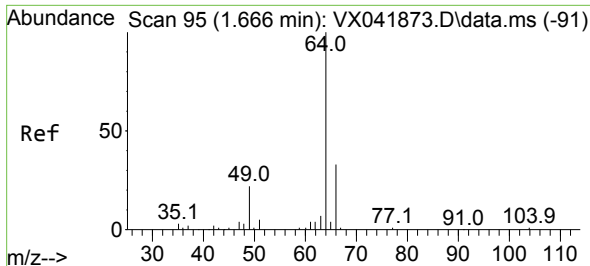
Tgt Ion:128 Resp: 30253
Ion Ratio Lower Upper
128 100
49 141.7 0.0 338.5
130 128.3 0.0 324.5



#3
Chloromethane
Concen: 0.307 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

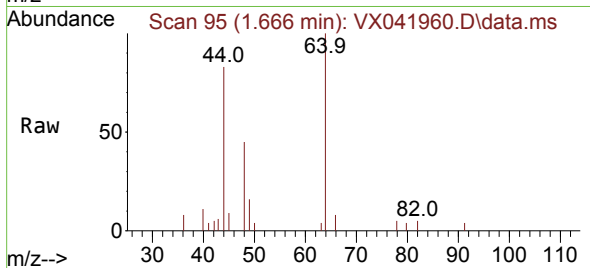
Tgt Ion: 50 Resp: 672
Ion Ratio Lower Upper
50 100
52 21.5 26.9 40.3#



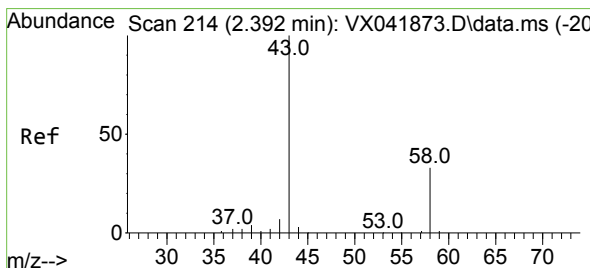
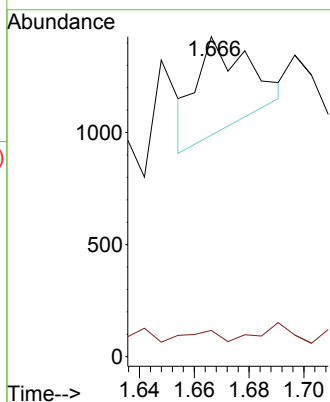
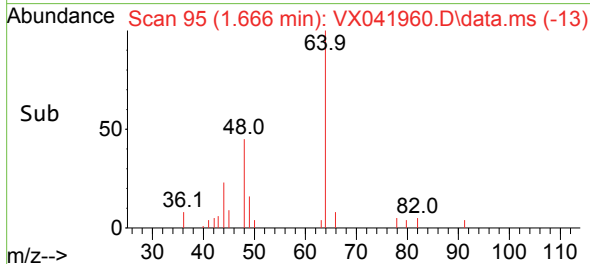


#6
Chloroethane
Concen: 0.608 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :

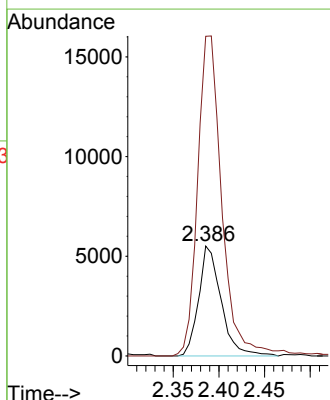
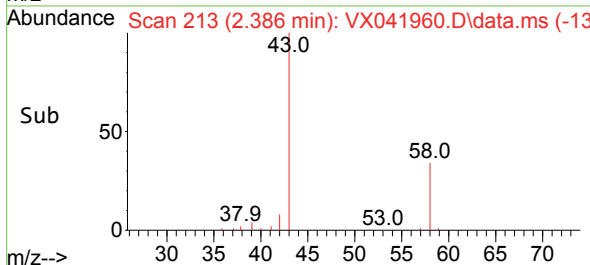
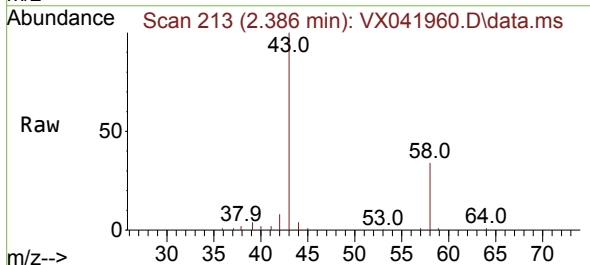


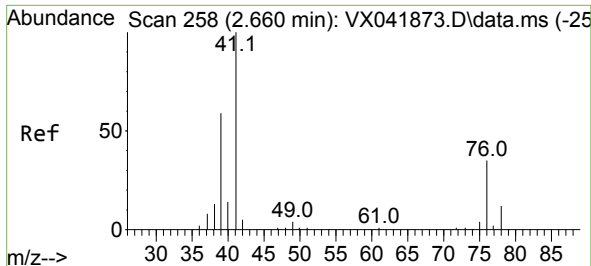
Tgt Ion: 64 Resp: 556
Ion Ratio Lower Upper
64 100
66 8.0 26.4 39.6#



#15
Acetone
Concen: 29.476 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Tgt Ion: 58 Resp: 9434
Ion Ratio Lower Upper
58 100
43 288.8 243.4 365.2





#17

Allyl chloride

Concen: 1.183 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

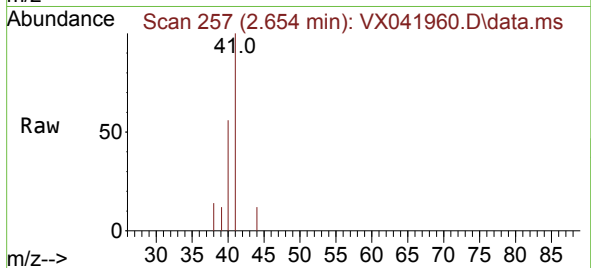
Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

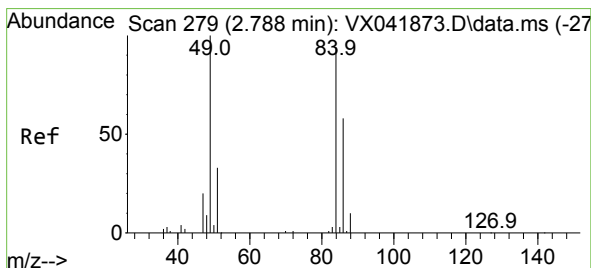
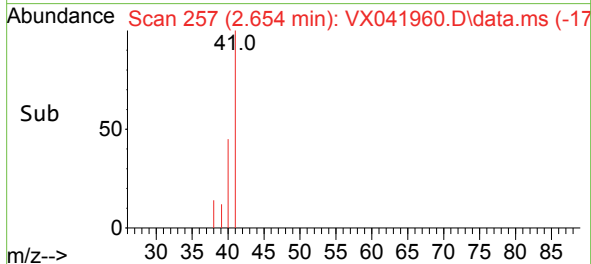
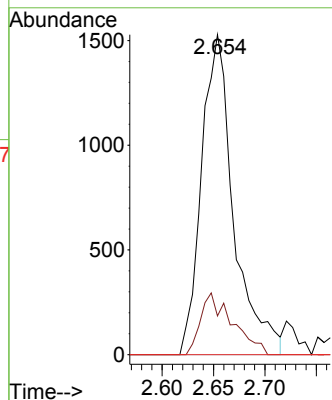
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 41	Resp: 3322
Ion Ratio	Lower Upper
41	100
39	12.1 29.6 88.8#
76	0.0 18.1 54.4#



#18

Methylene Chloride

Concen: 0.220 ug/l

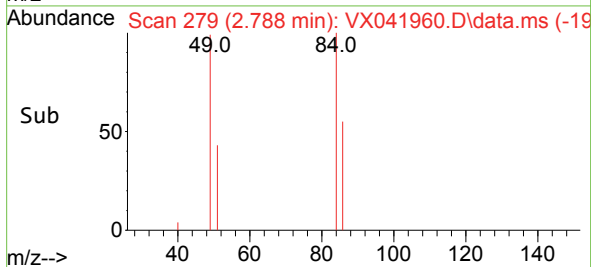
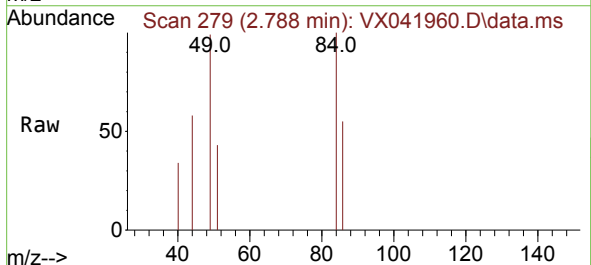
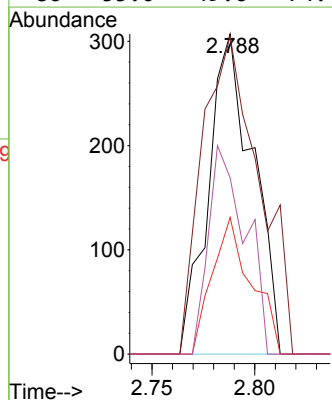
RT: 2.788 min Scan# 279

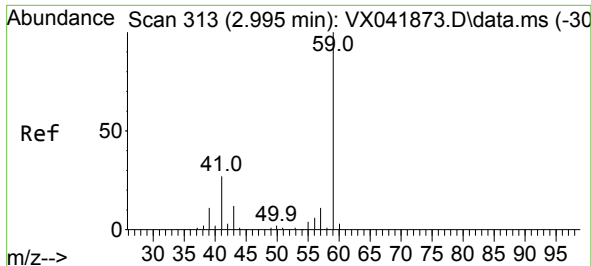
Delta R.T. -0.000 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

Tgt Ion: 84	Resp: 466
Ion Ratio	Lower Upper
84	100
49	99.3 85.3 127.9
51	42.7 28.5 42.7
86	55.0 49.6 74.4

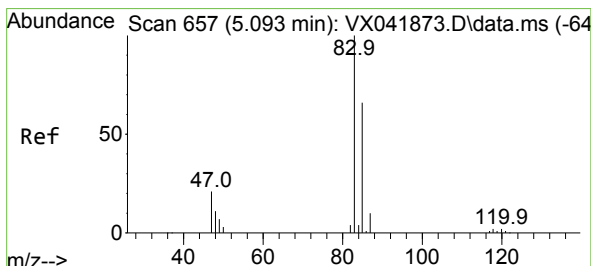
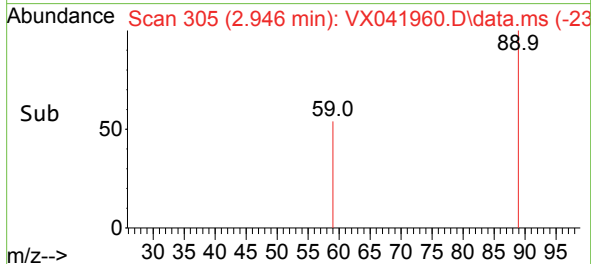
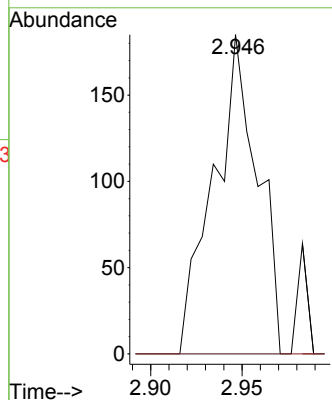
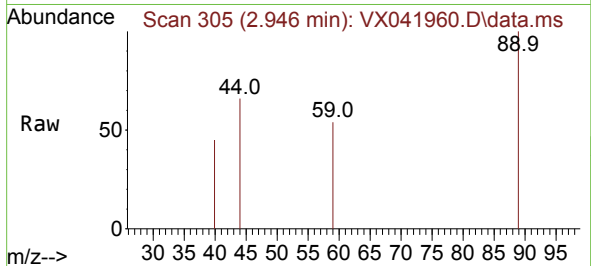




#23
tert-Butyl Alcohol
Concen: 0.743 ug/l
RT: 2.946 min Scan# 309
Delta R.T. -0.049 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

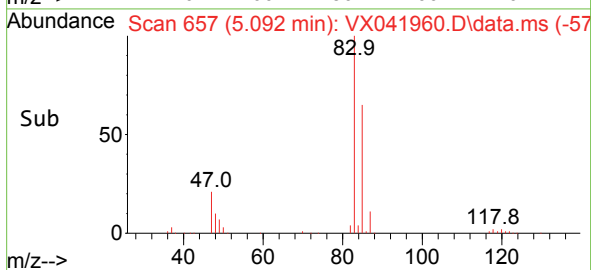
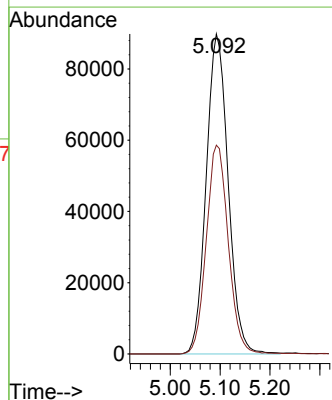
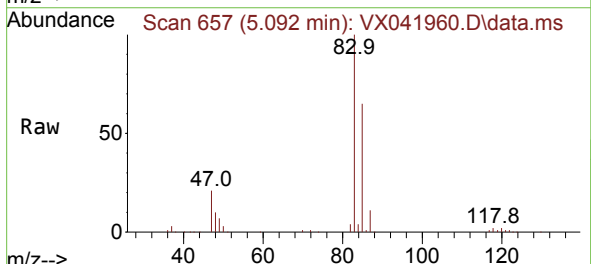
Instrument :
MSVOA_X
ClientSampleId :

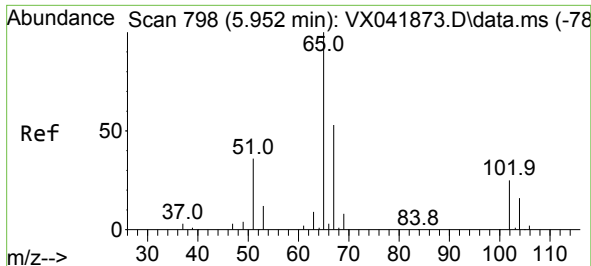
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 81.963 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Tgt Ion: 83 Resp: 274620
Ion Ratio Lower Upper
83 100
85 65.3 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 31.009 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

Instrument :

MSVOA_X

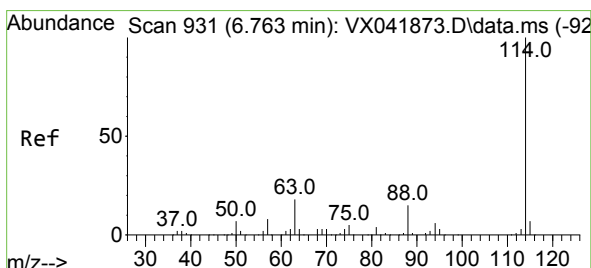
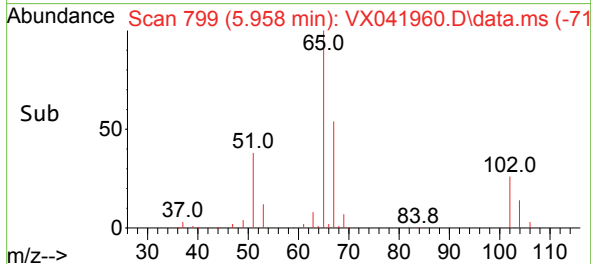
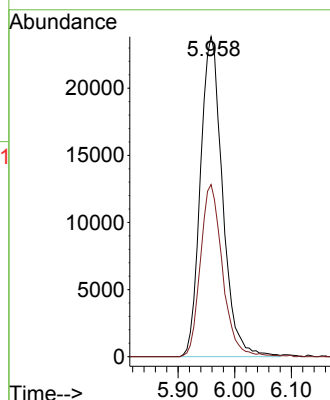
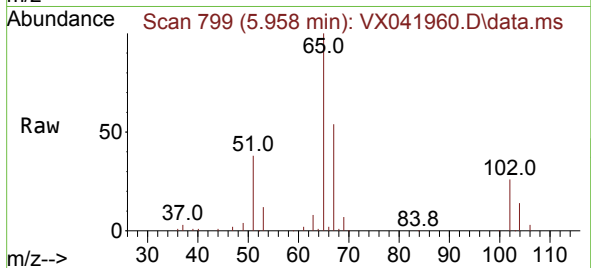
ClientSampleId :

Tgt Ion: 65 Resp: 64579

Ion Ratio Lower Upper

65 100

67 53.7 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

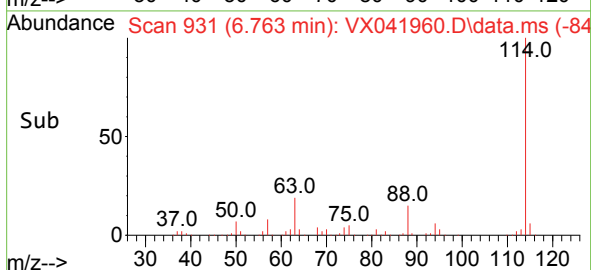
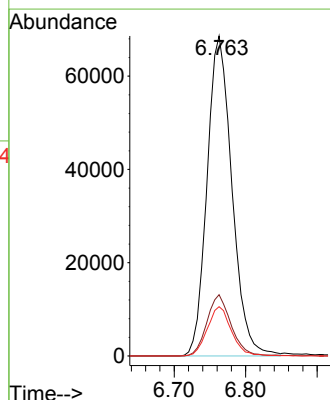
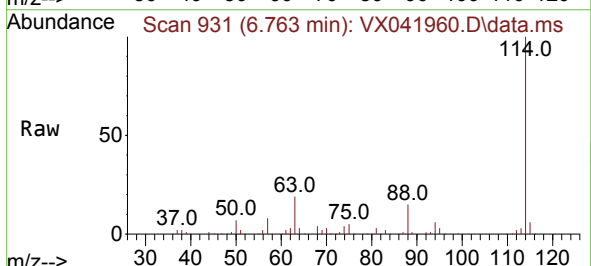
Tgt Ion:114 Resp: 166332

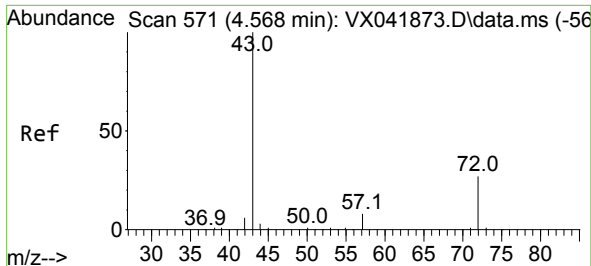
Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

88 14.8 11.8 17.8

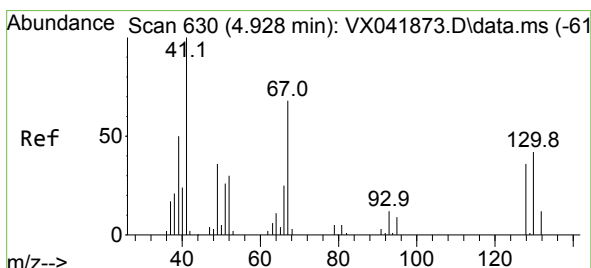
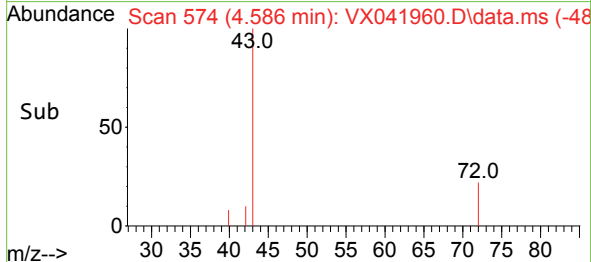
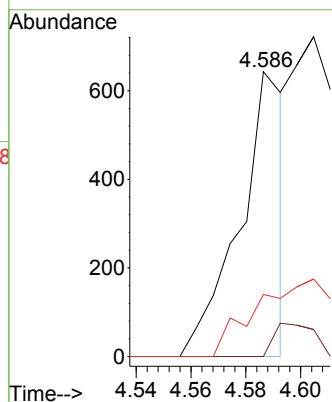
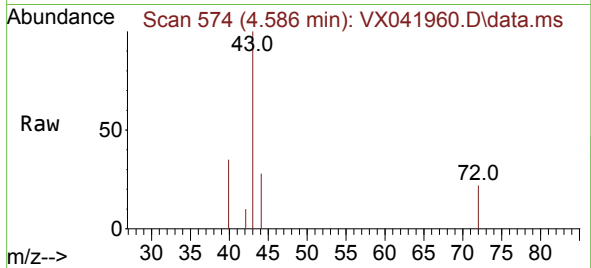




#30
2-Butanone
Concen: 0.505 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

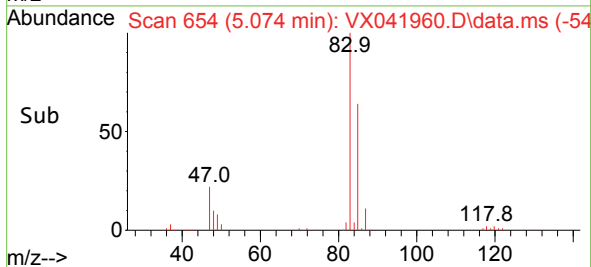
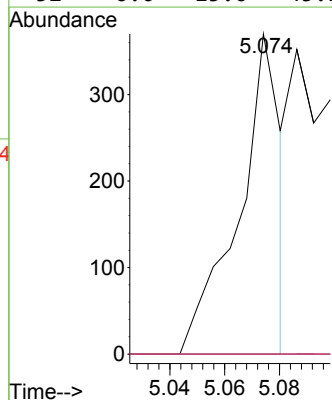
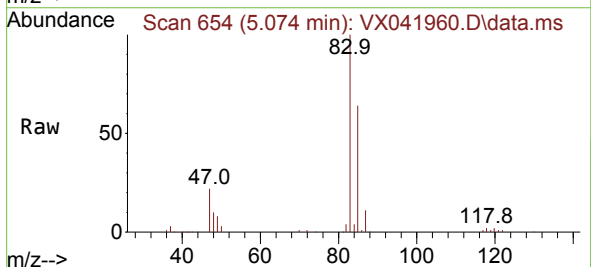
Instrument :
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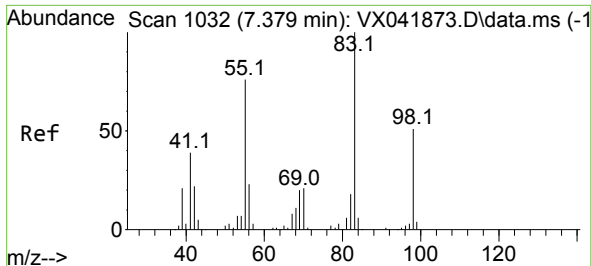
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
57 10.4 6.5 9.7#
72 0.0 22.0 33.0#



#35
Methacrylonitrile
Concen: 0.272 ug/l
RT: 5.074 min Scan# 654
Delta R.T. 0.146 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Tgt Ion: 41 Resp: 396
Ion Ratio Lower Upper
41 100
39 0.0 25.2 75.6#
67 0.0 34.2 102.5#
52 0.0 15.0 45.1#





#38

Methylcyclohexane

Concen: 4.953 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.445 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

Instrument :

MSVOA_X

ClientSampleId :

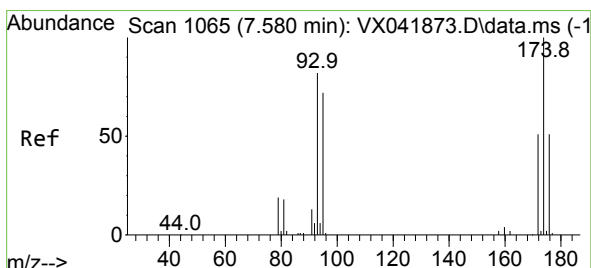
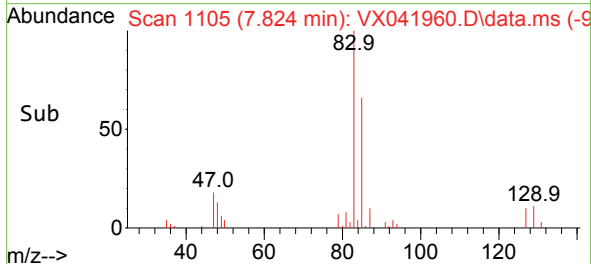
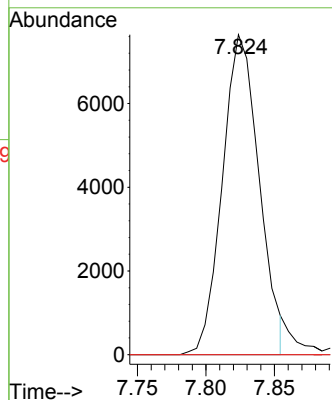
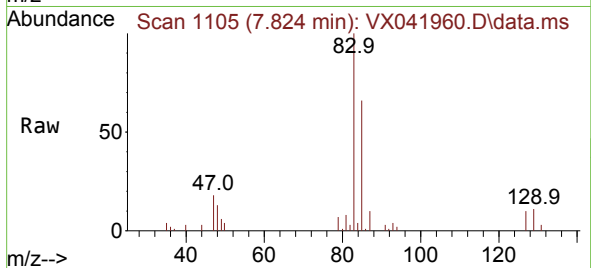
Tgt Ion: 83 Resp: 14243

Ion Ratio Lower Upper

83 100

55 0.0 37.3 111.9#

98 0.0 24.8 74.4#



#40

Dibromomethane

Concen: 0.363 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.244 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

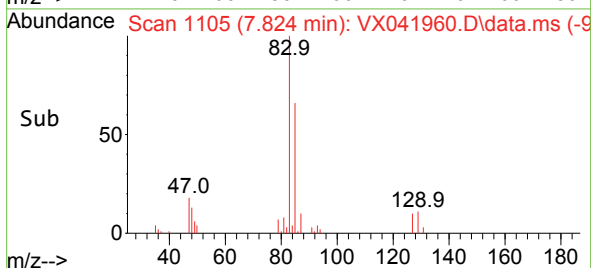
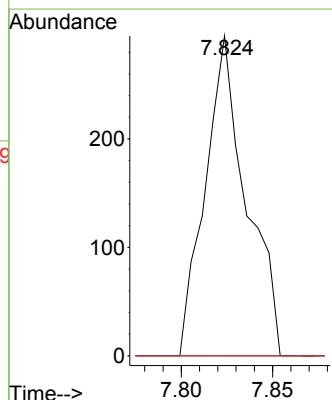
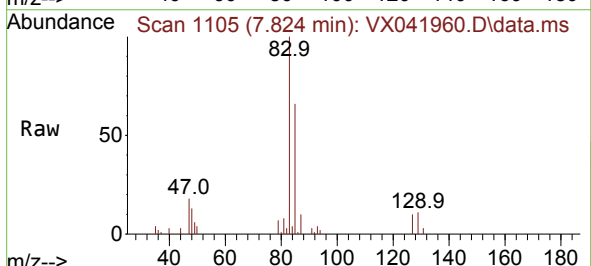
Tgt Ion: 93 Resp: 463

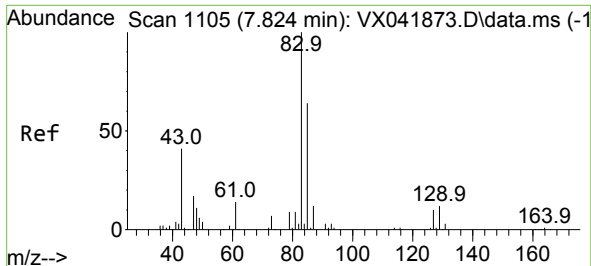
Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.6

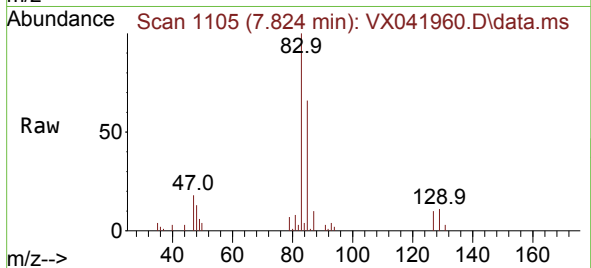
174 0.0 0.0 255.0



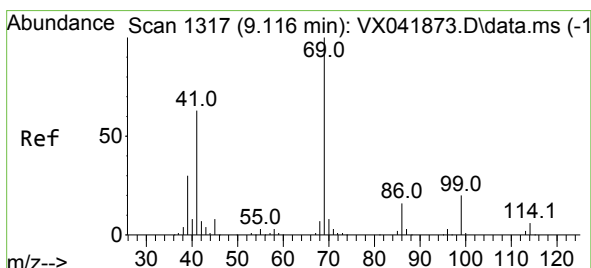
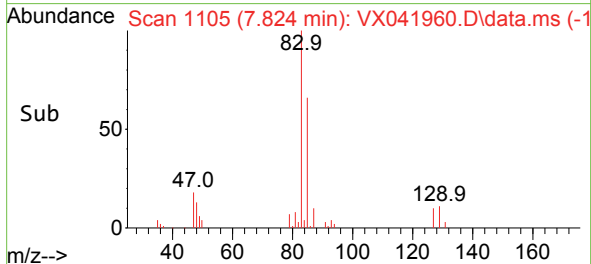
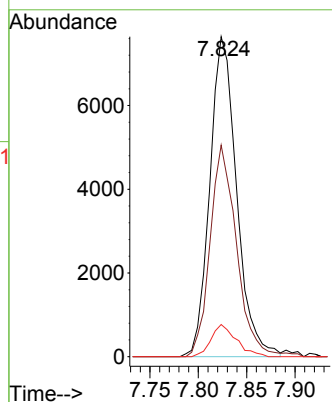


#41
Bromodichloromethane
Concen: 6.456 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :

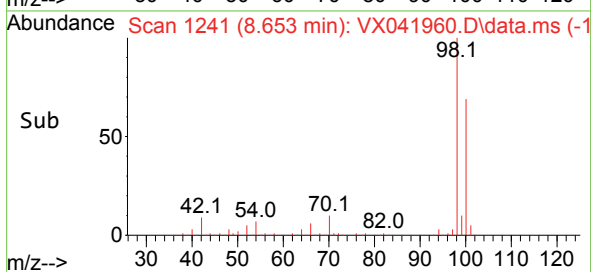
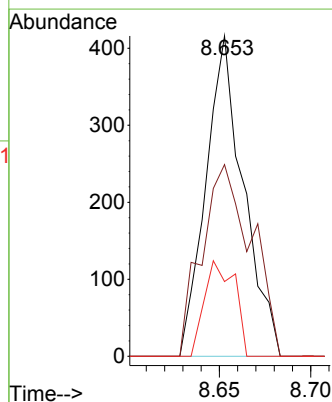
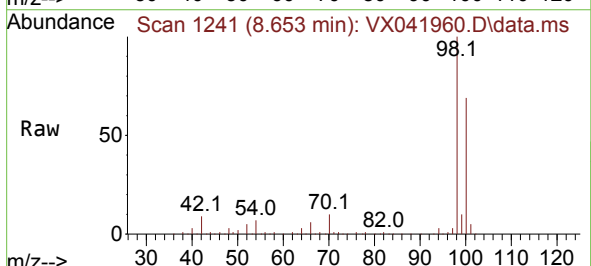


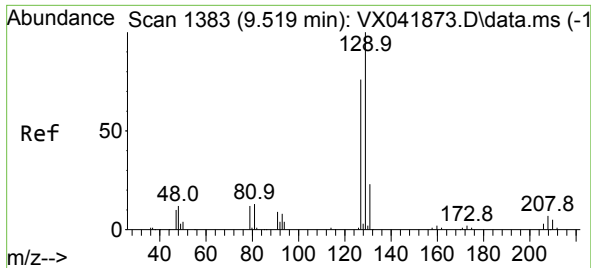
Tgt Ion: 83 Resp: 14740
Ion Ratio Lower Upper
83 100
85 66.1 51.1 76.7
127 10.1 8.1 12.1



#51
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Tgt Ion: 69 Resp: 596
Ion Ratio Lower Upper
69 100
41 59.9 31.6 94.7
39 23.3 15.3 45.8

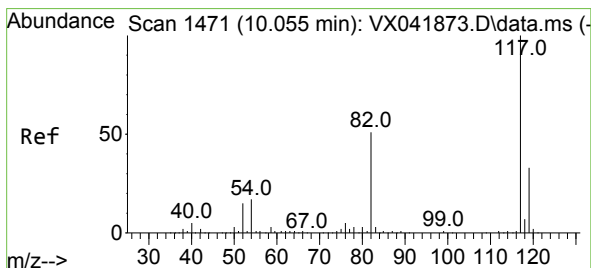
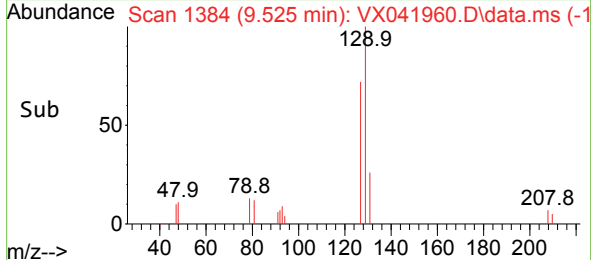
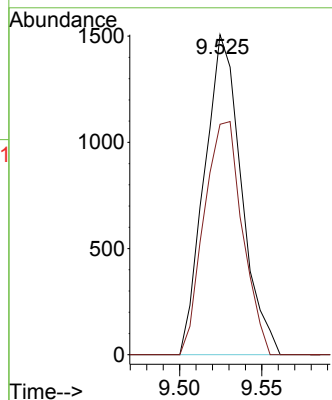
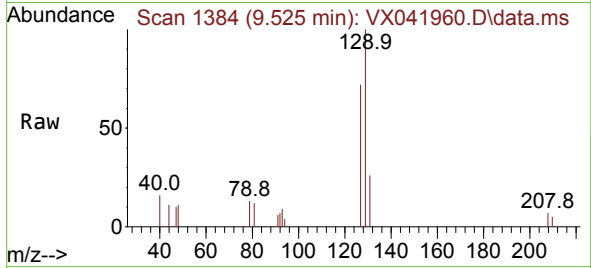




#53
Dibromochloromethane
Concen: 1.161 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

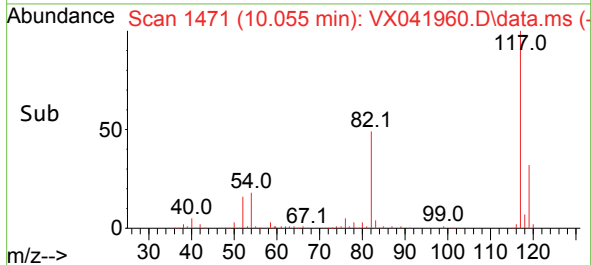
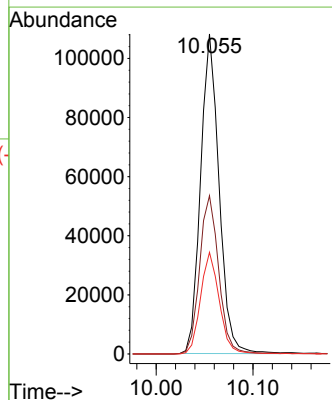
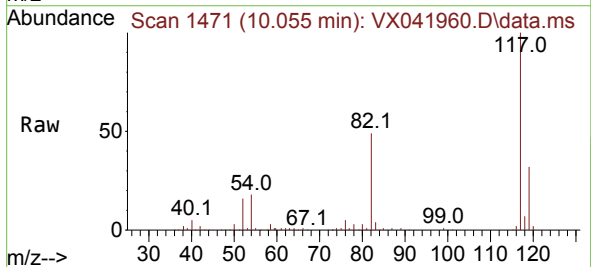
Instrument :
MSVOA_X
ClientSampleId :

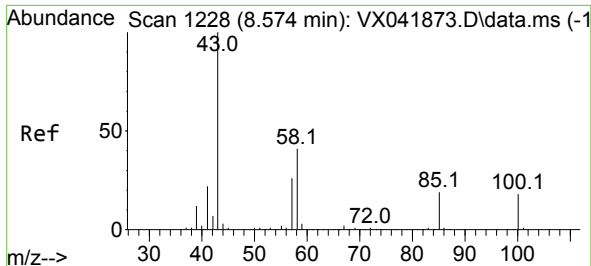
Tgt Ion:129 Resp: 2355
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

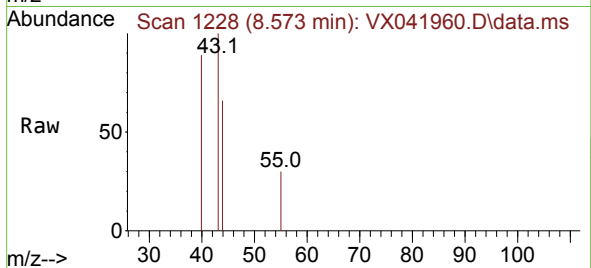
Tgt Ion:117 Resp: 144022
Ion Ratio Lower Upper
117 100
82 51.2 41.1 61.7
119 32.5 26.1 39.1



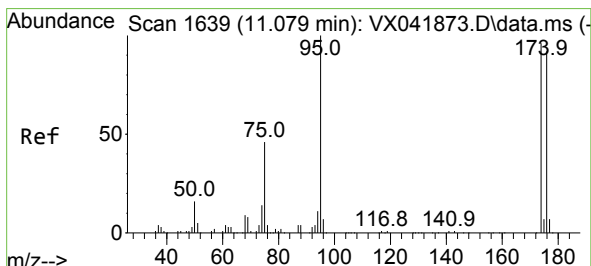
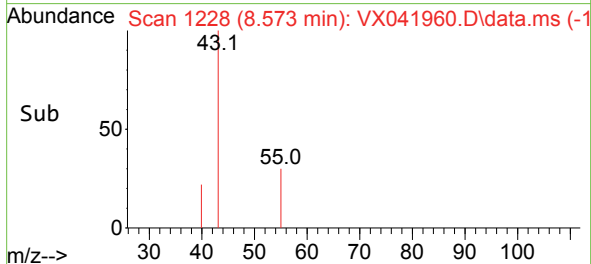
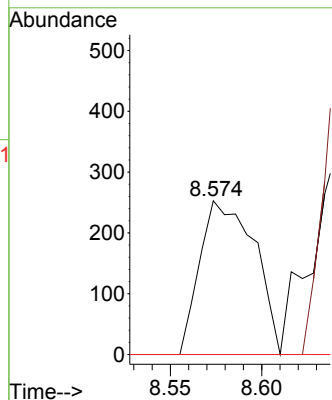


#58
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :

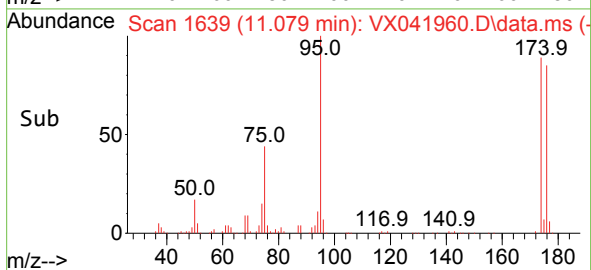
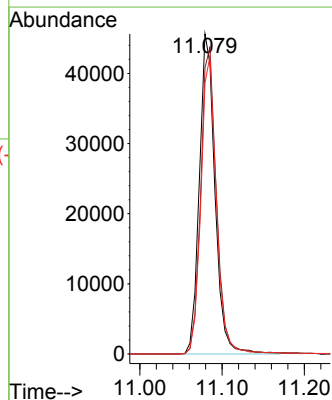
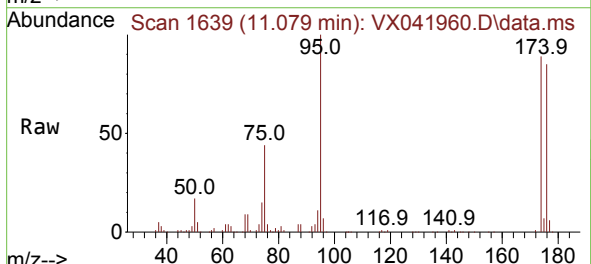


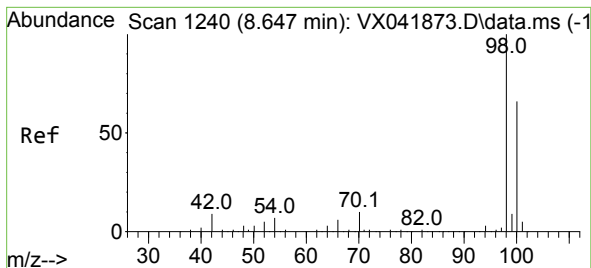
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 0.0 33.2 49.8#
85 0.0 15.5 23.3#



#60
4-Bromofluorobenzene
Concen: 26.958 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041960.D
Acq: 20 Jun 2024 13:01

Tgt Ion: 95 Resp: 60098
Ion Ratio Lower Upper
95 100
174 97.0 78.9 118.3
176 91.8 77.1 115.7





#63

Toluene-d8

Concen: 30.608 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

Instrument :

MSVOA_X

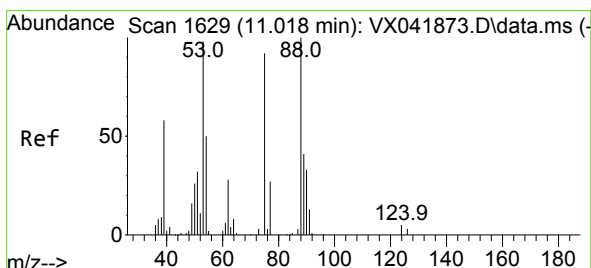
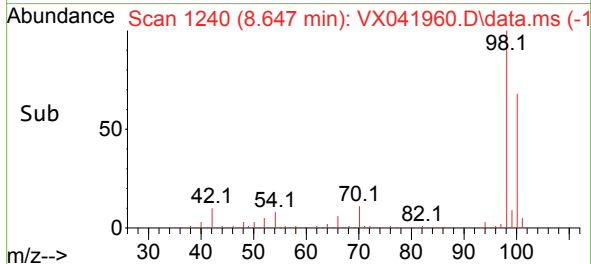
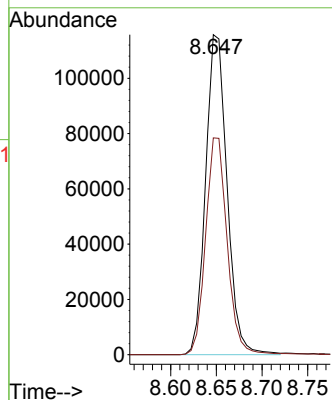
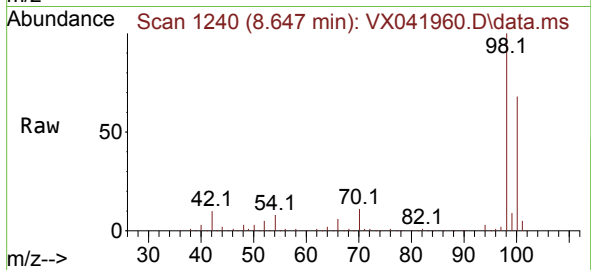
ClientSampleId :

Tgt Ion: 98 Resp: 188600

Ion Ratio Lower Upper

98 100

100 67.7 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 32.667 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041960.D

Acq: 20 Jun 2024 13:01

Tgt Ion: 75 Resp: 27216

Ion Ratio Lower Upper

75 100

53 0.0 53.4 160.2#

89 0.0 22.5 67.5#

