

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070622\
 Data File : VW026664.D
 Acq On : 06 Jul 2022 13:42
 Operator : SY/MD
 Sample : N3598-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COAN5

Quant Time: Jul 07 01:17:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 07 01:16:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	211813	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	205185	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	84704	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	68119	3.999	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.000%
7) Chloroethane-d5	1.580	69	57080	4.171	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.117	63	96303	3.182	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	3.918	46	88865	52.473	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.940%
24) Chloroform-d	4.358	84	115620	4.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.040	65	46080	4.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.059	84	222566	3.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.075	67	68221	4.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.320	98	174578	3.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.800%#
43) trans-1,3-Dichloroprop...	7.628	79	17418	4.158	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.091	63	71021	44.509	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.020%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43295	4.084	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	57965	4.135	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	312436	17.713	ug/L	99
5) Vinyl chloride	1.323	62	137662	7.330	ug/L	97
6) Bromomethane	1.539	94	2602	0.256	ug/L	87
8) Chloroethane	1.442	64	25434	1.991	ug/L #	55
12) 1,1-Dichloroethene	2.127	96	5921	0.414	ug/L #	1
13) Acetone	2.214	43	9951	9.262	ug/L	83
14) Carbon disulfide	2.307	76	5516	0.146	ug/L	97
17) Methyl tert-butyl Ether	2.786	73	27679	1.187	ug/L #	84
18) trans-1,2-Dichloroethene	2.773	96	19268	1.320	ug/L	95
19) 1,1-Dichloroethane	3.201	63	5841	0.223	ug/L	95
22) cis-1,2-Dichloroethene	3.921	96	471120	32.506	ug/L	96
23) Bromochloromethane	4.272	128	1391	0.233	ug/L	86
25) Chloroform	4.387	83	57495	2.051	ug/L	94
27) 1,2-Dichloroethane	5.053	62	685	0.055	ug/L #	75
33) Benzene	5.117	78	8841	0.148	ug/L	100
34) Trichloroethene	5.918	95	418496	26.571	ug/L	97
35) Methylcyclohexane	6.075	83	16518	0.709	ug/L #	20
37) 1,2-Dichloropropane	6.188	63	6543	0.453	ug/L #	95
38) Bromodichloromethane	6.516	83	41251	2.420	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070622\
 Data File : VV026664.D
 Acq On : 06 Jul 2022 13:42
 Operator : SY/MD
 Sample : N3598-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

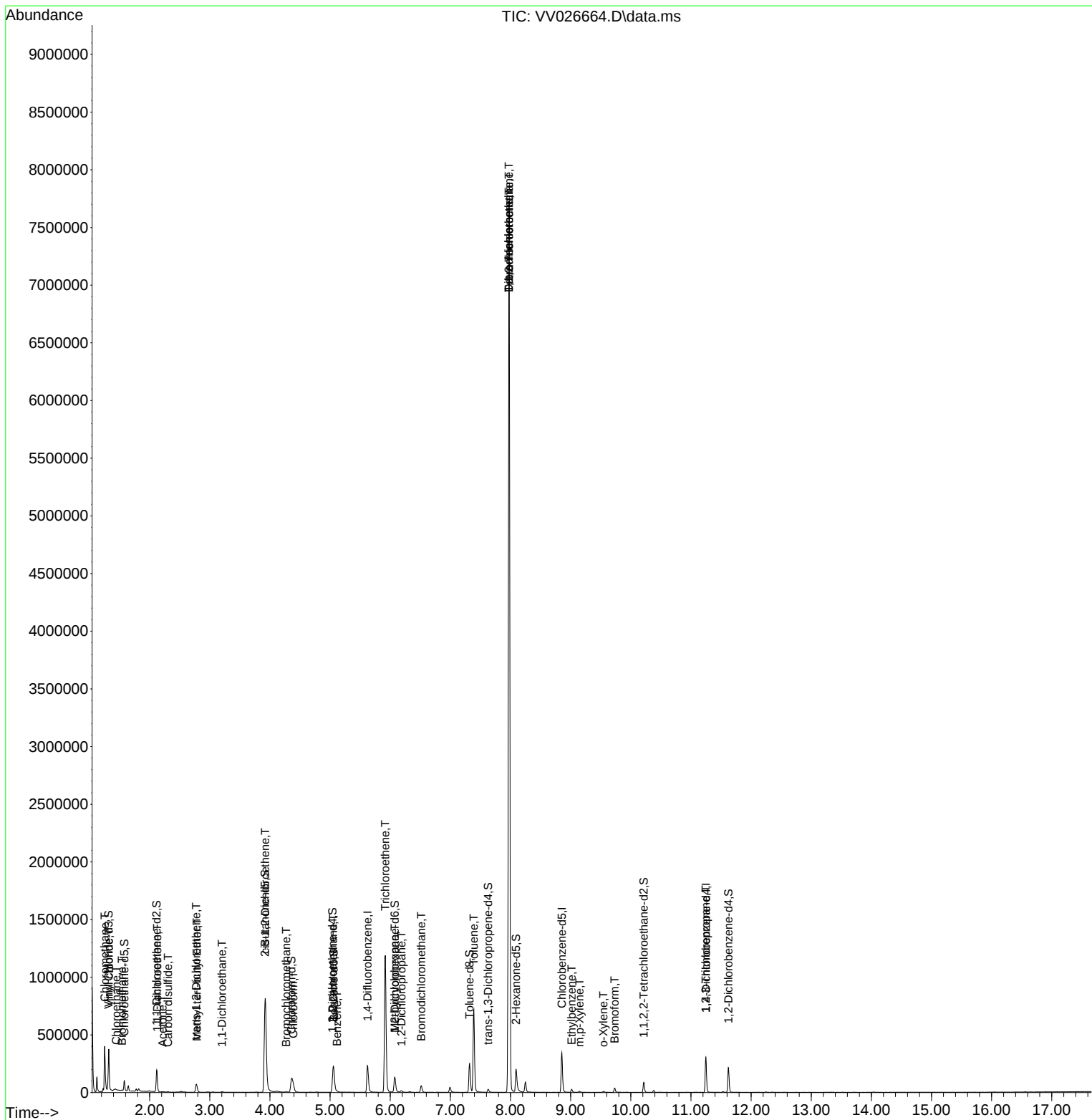
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AN5

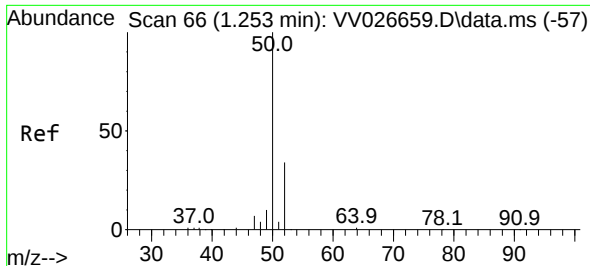
Quant Time: Jul 07 01:17:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 07 01:16:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.390	91	535367	8.656	ug/L	100
45) 1,1,2-Trichloroethane	7.976	97	13640	1.498	ug/L #	1
47) Tetrachloroethene	7.976	164	1715659	136.818	ug/L	99
49) Dibromochloromethane	7.976	129	1595886	173.087	ug/L #	11
52) Ethylbenzene	9.017	91	18597	0.291	ug/L	97
53) m,p-Xylene	9.146	106	3004	0.120	ug/L	94
54) o-Xylene	9.545	106	2568	0.110	ug/L	97
59) Bromoform	9.731	173	17372	5.565	ug/L	97
61) 1,2,3-Trichloropropane	11.246	75	9214	1.680	ug/L #	64

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

Quant Time: Jul 07 01:17:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 07 01:16:16 2022
Response via : Initial Calibration

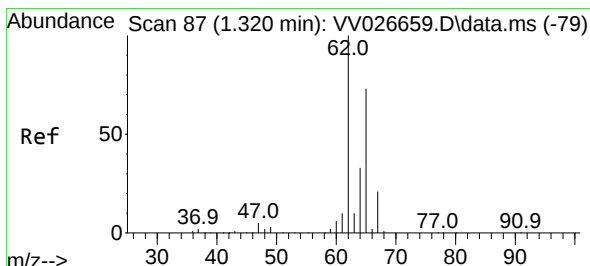
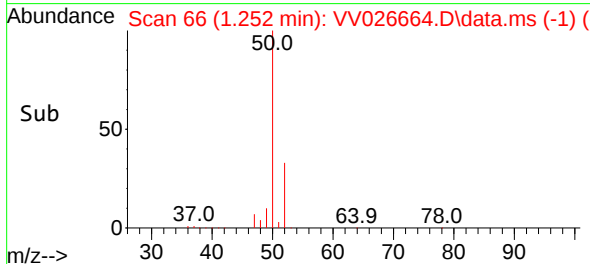
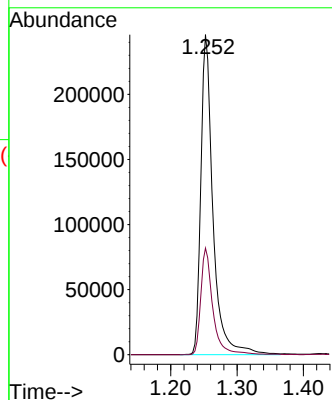
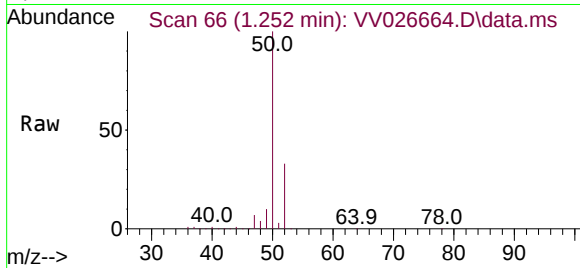




#3
Chloromethane
Concen: 17.713 ug/L
RT: 1.252 min Scan# 60
Delta R.T. -0.000 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

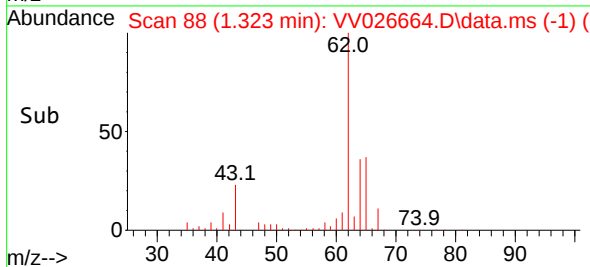
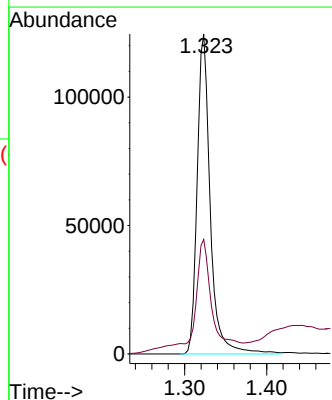
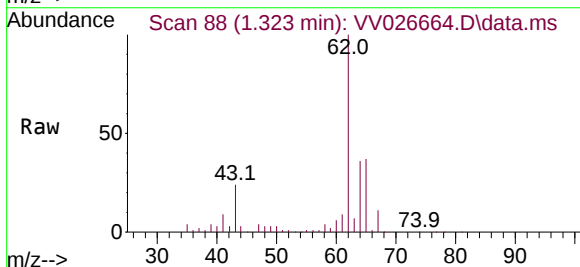
Instrument :
MSVOA_V
ClientSampleId :
COAN5

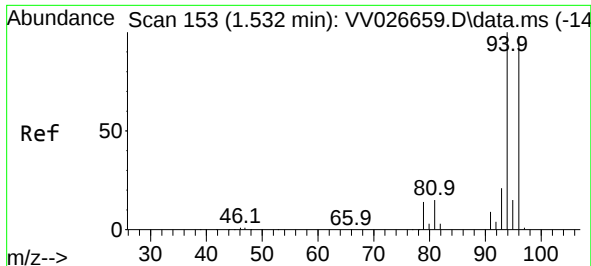
Tgt Ion: 50 Resp: 312436
Ion Ratio Lower Upper
50 100
52 33.3 23.0 42.6



#5
Vinyl chloride
Concen: 7.330 ug/L
RT: 1.323 min Scan# 88
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion: 62 Resp: 137662
Ion Ratio Lower Upper
62 100
64 35.8 26.2 48.6

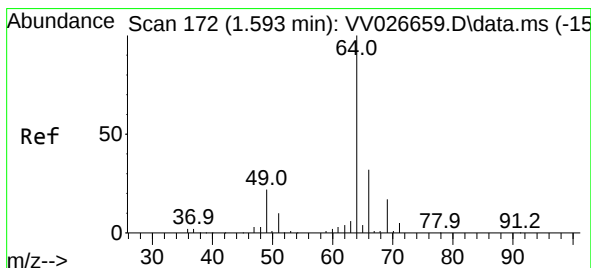
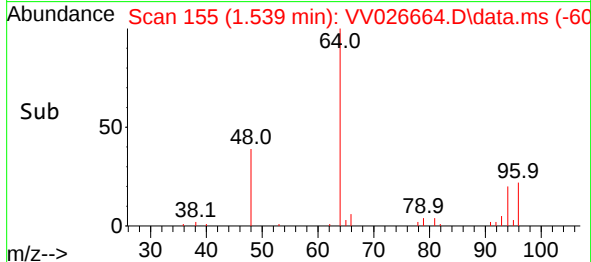
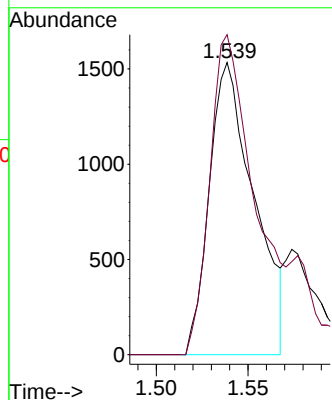
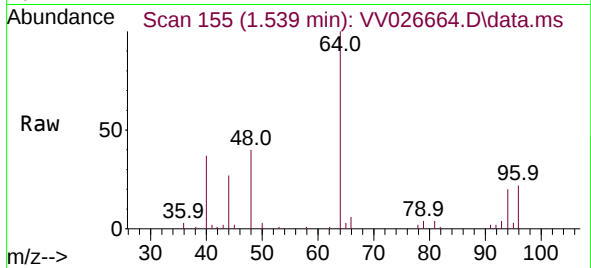




#6
Bromomethane
Concen: 0.256 ug/L
RT: 1.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

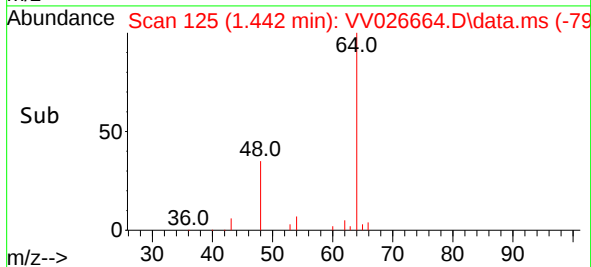
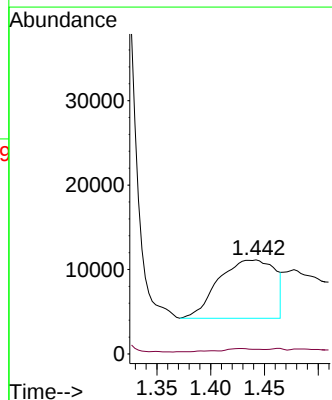
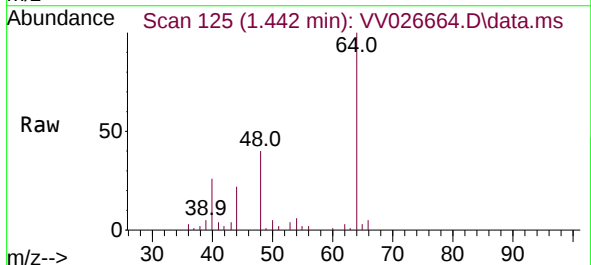
Instrument :
MSVOA_V
ClientSampleId :
COAN5

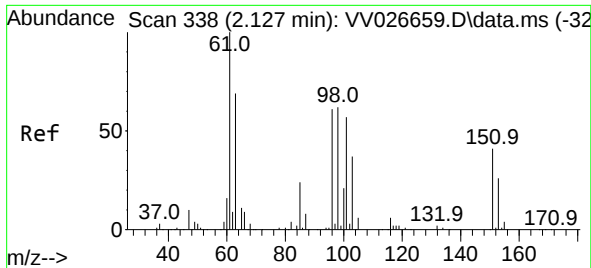
Tgt Ion: 94 Resp: 2602
Ion Ratio Lower Upper
94 100
96 109.5 68.0 126.2



#8
Chloroethane
Concen: 1.991 ug/L
RT: 1.442 min Scan# 125
Delta R.T. -0.151 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion: 64 Resp: 25434
Ion Ratio Lower Upper
64 100
66 4.9 20.0 37.2#





#12

1,1-Dichloroethene

Concen: 0.414 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Instrument :

MSVOA_V

ClientSampleId :

COAN5

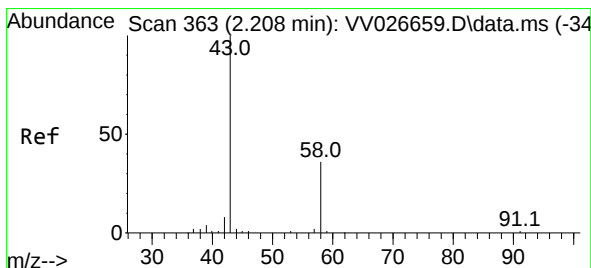
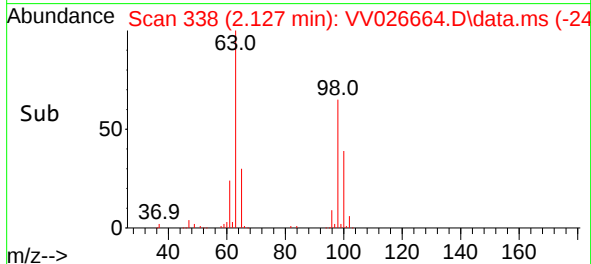
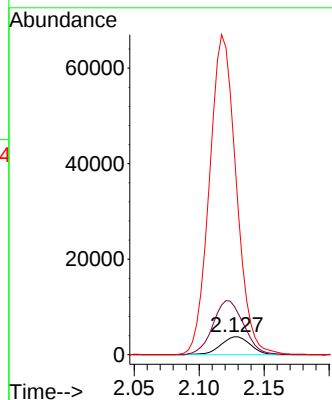
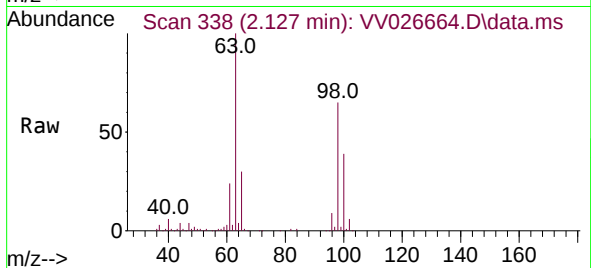
Tgt Ion: 96 Resp: 5921

Ion Ratio Lower Upper

96 100

61 269.2 115.4 214.4#

63 1130.1 87.4 162.2#



#13

Acetone

Concen: 9.262 ug/L

RT: 2.214 min Scan# 365

Delta R.T. 0.006 min

Lab File: VV026664.D

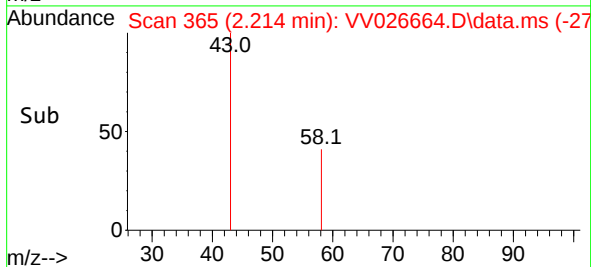
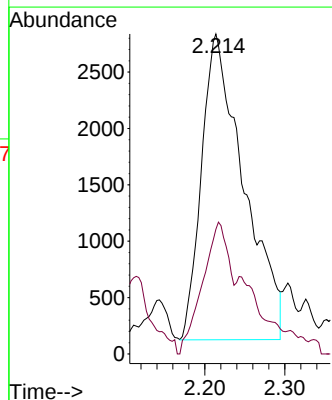
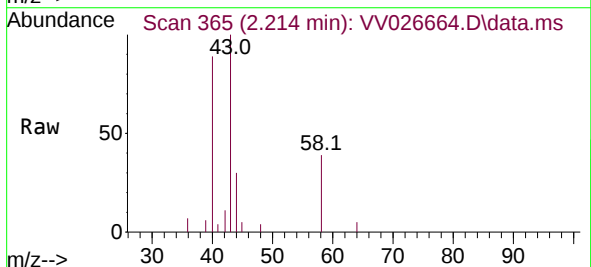
Acq: 06 Jul 2022 13:42

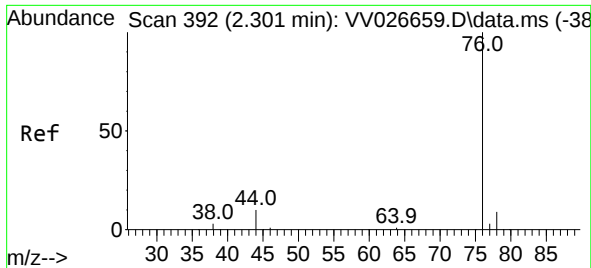
Tgt Ion: 43 Resp: 9951

Ion Ratio Lower Upper

43 100

58 27.6 0.0 75.0

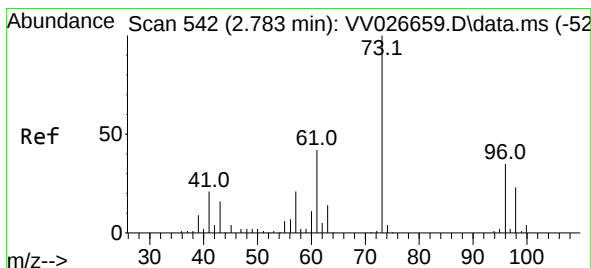
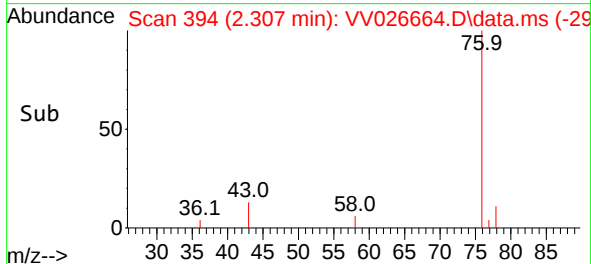
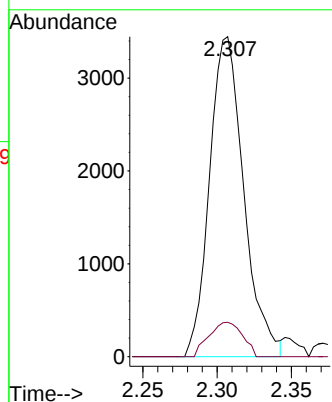
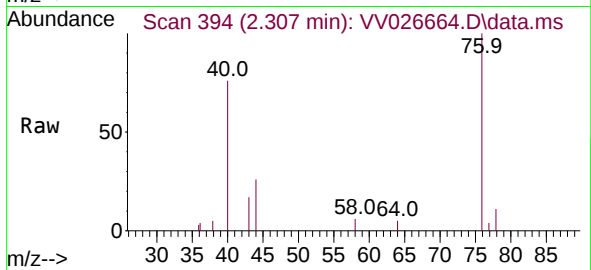




#14
Carbon disulfide
Concen: 0.146 ug/L
RT: 2.307 min Scan# 392
Delta R.T. 0.006 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

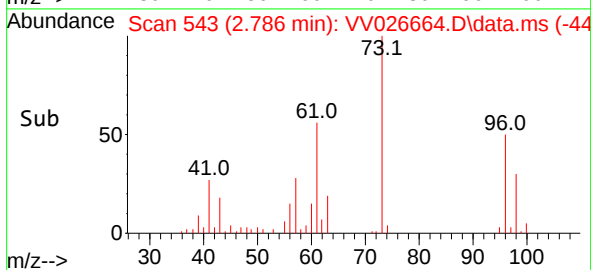
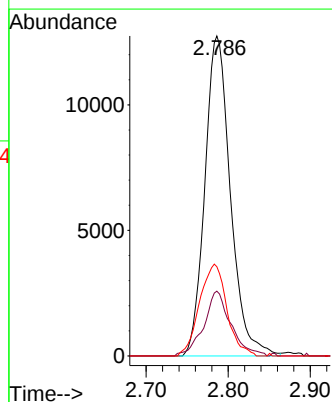
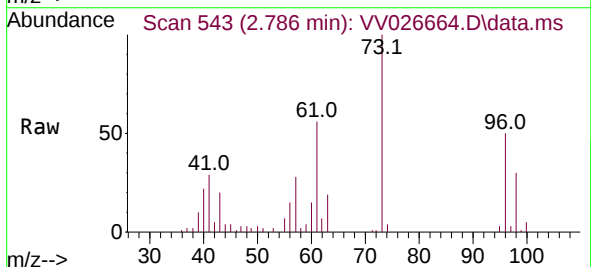
Instrument :
MSVOA_V
ClientSampleId :
COAN5

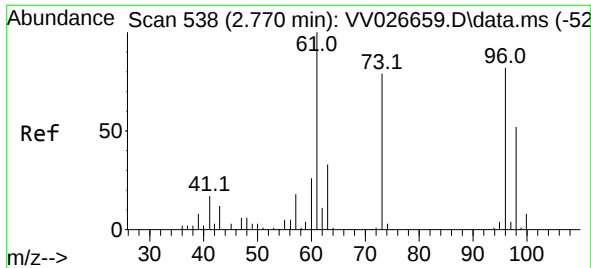
Tgt Ion: 76 Resp: 5516
Ion Ratio Lower Upper
76 100
78 10.7 7.8 11.6



#17
Methyl tert-butyl Ether
Concen: 1.187 ug/L
RT: 2.786 min Scan# 543
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

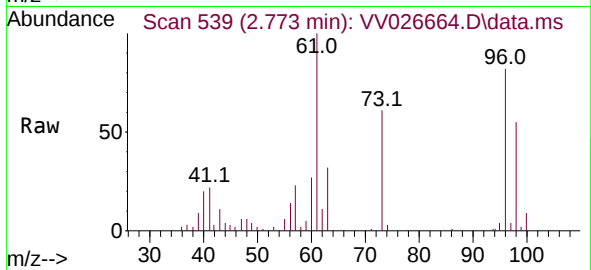
Tgt Ion: 73 Resp: 27679
Ion Ratio Lower Upper
73 100
43 21.3 13.3 19.9#
57 30.6 17.2 25.8#



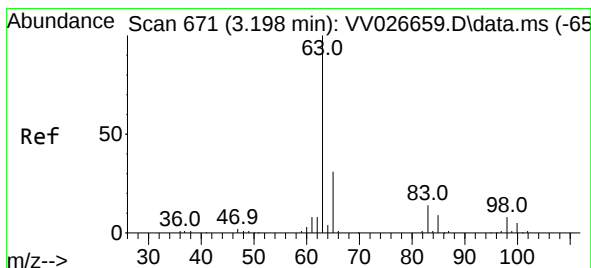
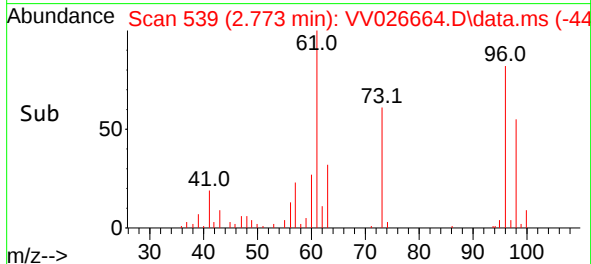
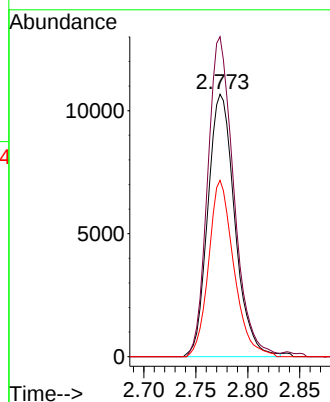


#18
trans-1,2-Dichloroethene
Concen: 1.320 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Instrument :
MSVOA_V
ClientSampleId :
COAN5

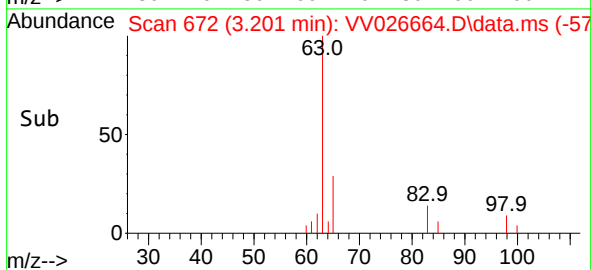
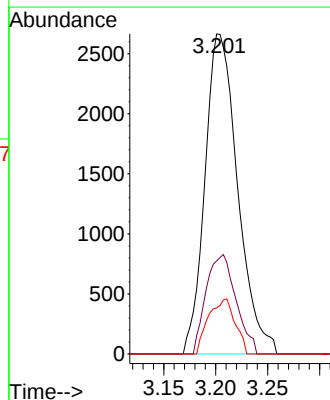
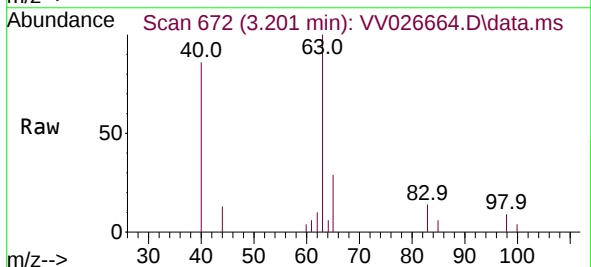


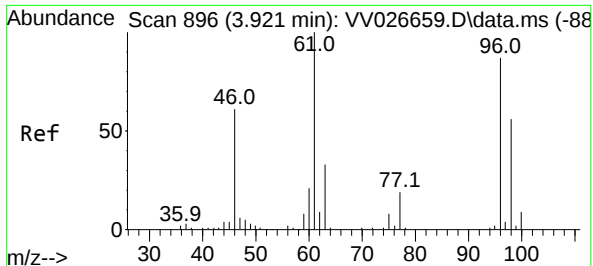
Tgt Ion: 96	Resp: 19268
Ion Ratio	Lower Upper
96 100	
61 121.9	90.4 167.8
98 67.2	45.6 84.8



#19
1,1-Dichloroethane
Concen: 0.223 ug/L
RT: 3.201 min Scan# 672
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion: 63	Resp: 5841		
Ion Ratio	Lower	Upper	
63 100			
65 29.1	23.0	42.6	
83 14.4	10.2	19.0	





#22

cis-1,2-Dichloroethene

Concen: 32.506 ug/L

RT: 3.921 min Scan# 896

Delta R.T. -0.000 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Instrument :

MSVOA_V

ClientSampleId :

COAN5

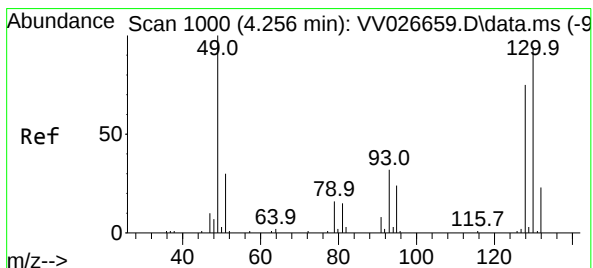
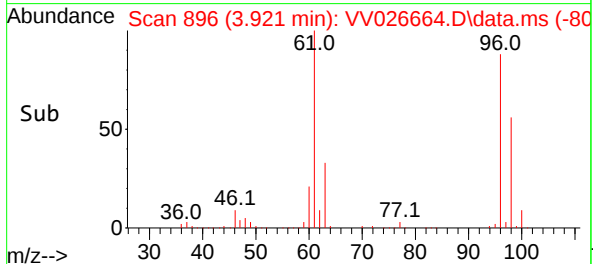
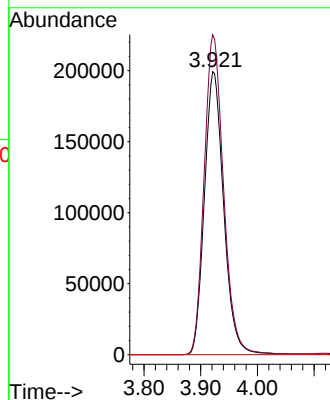
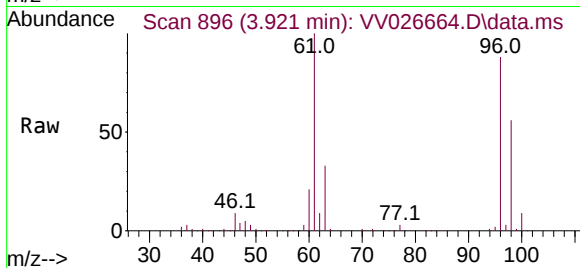
Tgt Ion: 96 Resp: 471120

Ion Ratio Lower Upper

96 100

61 113.1 82.0 152.2

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 0.233 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.016 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Tgt Ion: 128 Resp: 1391

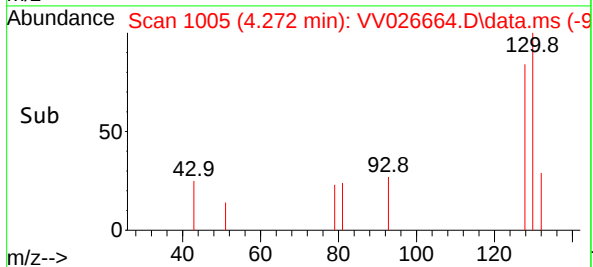
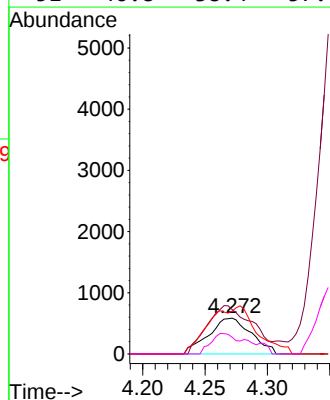
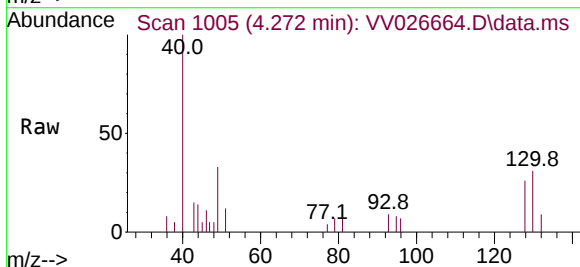
Ion Ratio Lower Upper

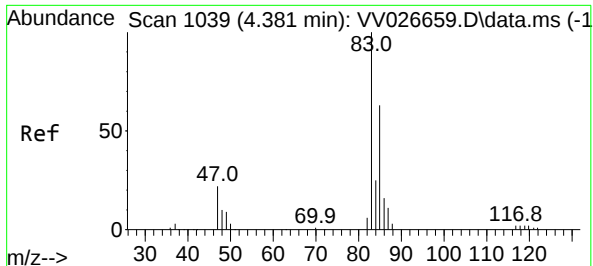
128 100

49 124.1 104.0 193.1

130 119.3 93.4 173.6

51 46.8 38.4 57.6





#25

Chloroform

Concen: 2.051 ug/L

RT: 4.387 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Instrument :

MSVOA_V

ClientSampleId :

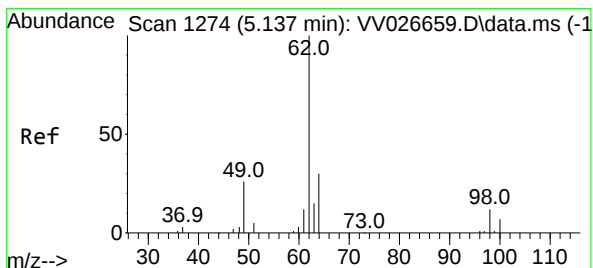
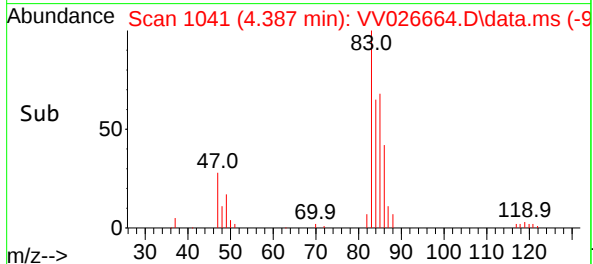
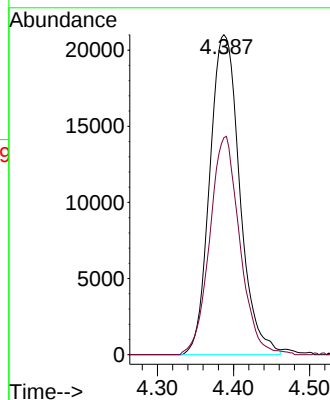
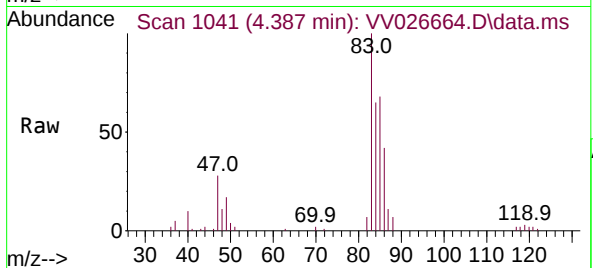
C0AN5

Tgt Ion: 83 Resp: 57495

Ion Ratio Lower Upper

83 100

85 67.8 44.0 81.8



#27

1,2-Dichloroethane

Concen: 0.055 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.084 min

Lab File: VV026664.D

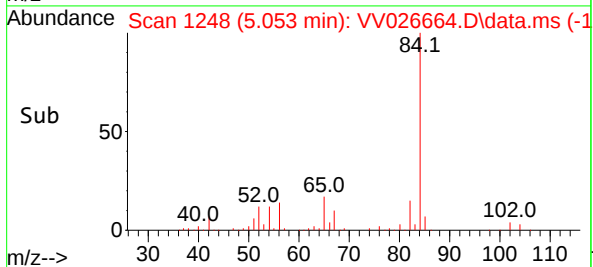
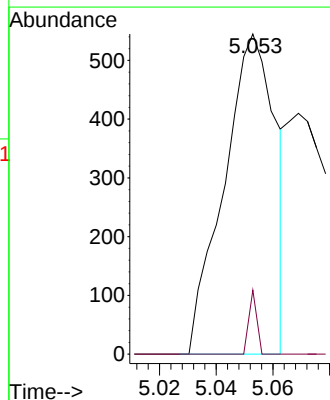
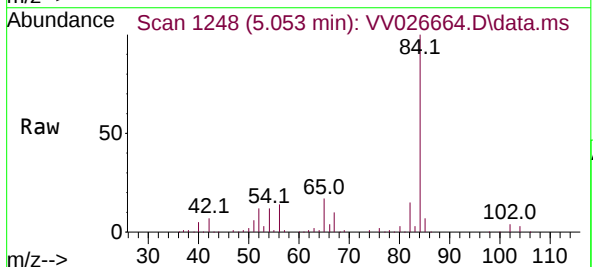
Acq: 06 Jul 2022 13:42

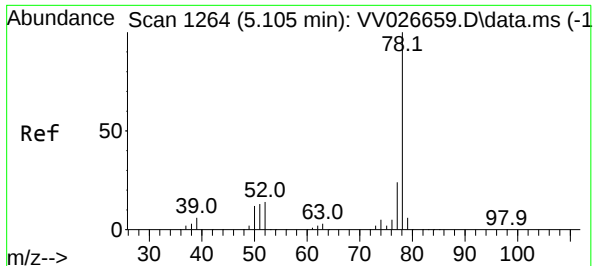
Tgt Ion: 62 Resp: 685

Ion Ratio Lower Upper

62 100

98 20.0 8.4 12.6#

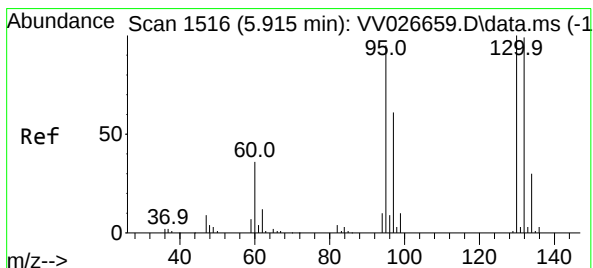
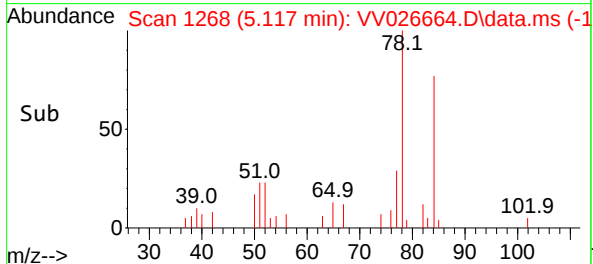
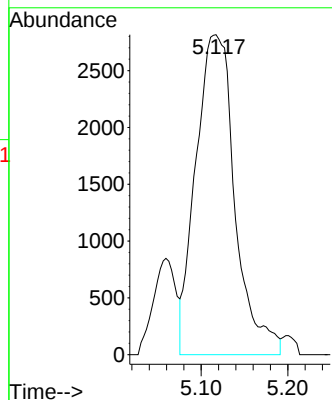
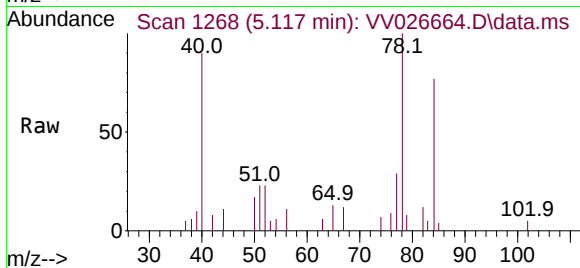




#33
Benzene
Concen: 0.148 ug/L
RT: 5.117 min Scan# 1517
Delta R.T. 0.013 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Instrument :
MSVOA_V
ClientSampleId :
C0AN5

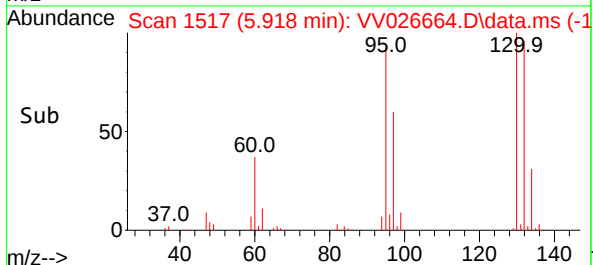
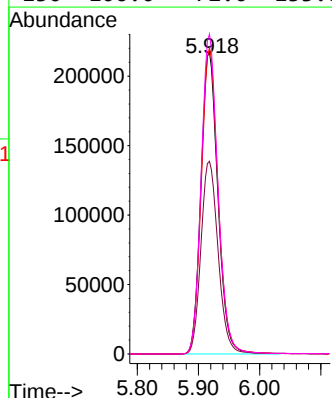
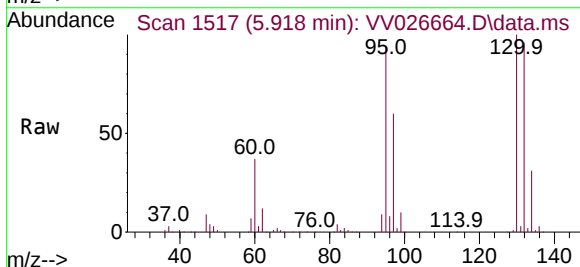
Tgt Ion: 78 Resp: 8841

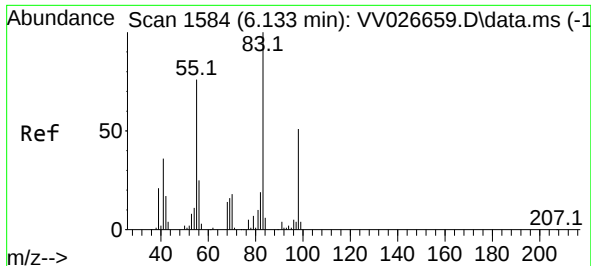


#34
Trichloroethene
Concen: 26.571 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion: 95 Resp: 418496

Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.8	87.0
132	101.5	69.9	129.7
130	106.0	72.0	133.8





#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.075 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Instrument :

MSVOA_V

ClientSampleId :

COAN5

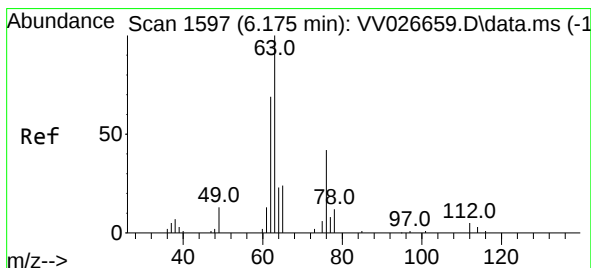
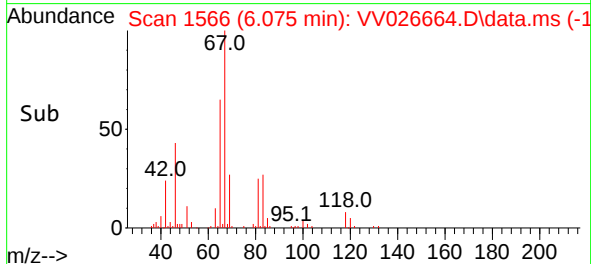
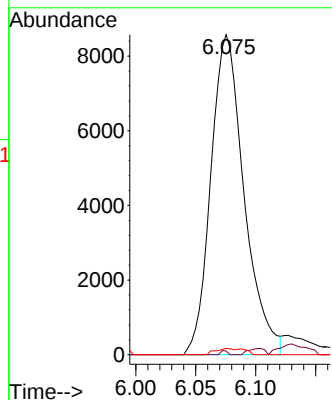
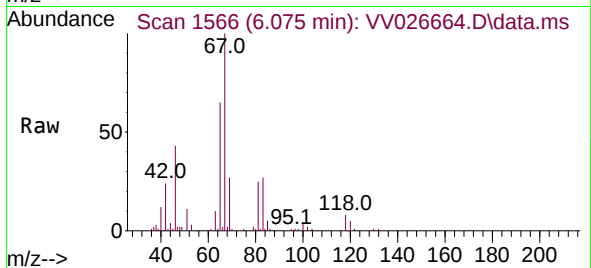
Tgt Ion: 83 Resp: 16518

Ion Ratio Lower Upper

83 100

55 0.2 57.0 85.4#

98 0.0 39.8 59.8#



#37

1,2-Dichloropropane

Concen: 0.453 ug/L

RT: 6.188 min Scan# 1601

Delta R.T. 0.013 min

Lab File: VV026664.D

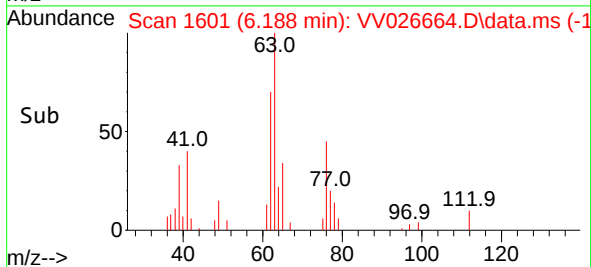
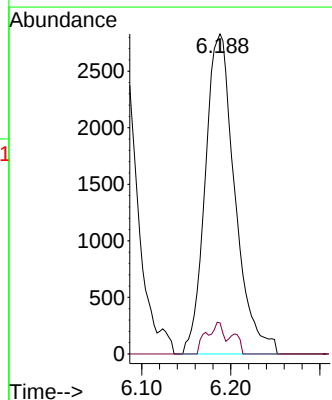
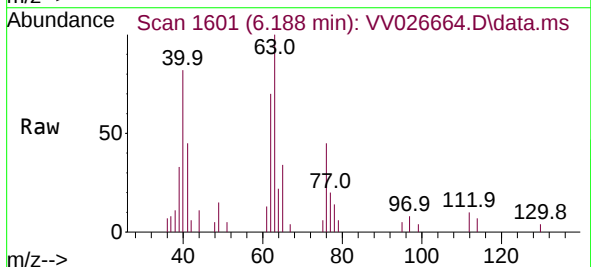
Acq: 06 Jul 2022 13:42

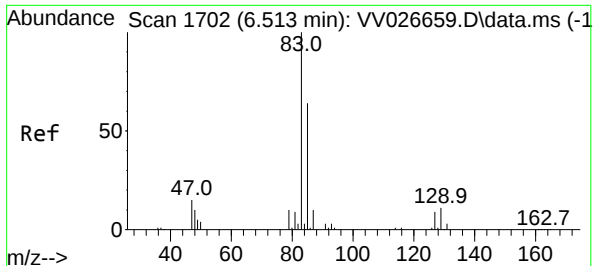
Tgt Ion: 63 Resp: 6543

Ion Ratio Lower Upper

63 100

112 3.7 4.2 6.4#

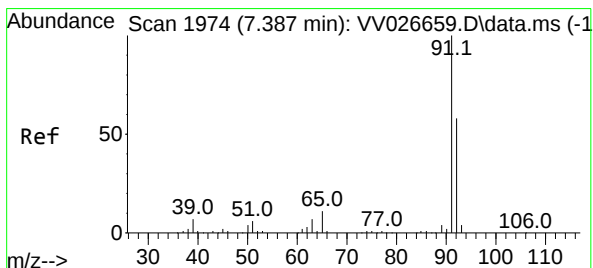
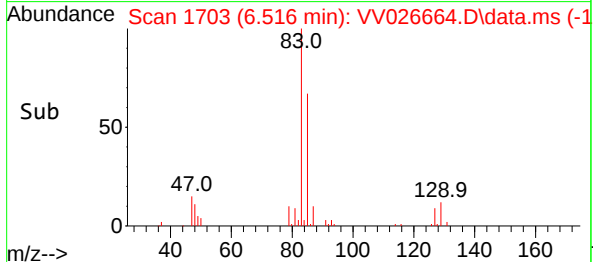
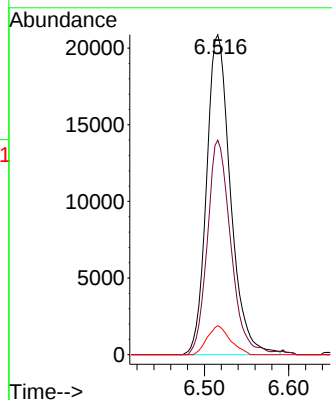
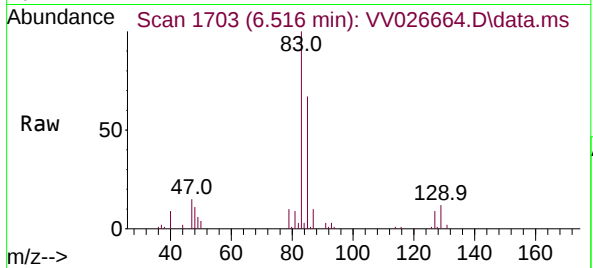




#38
Bromodichloromethane
Concen: 2.420 ug/L
RT: 6.516 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

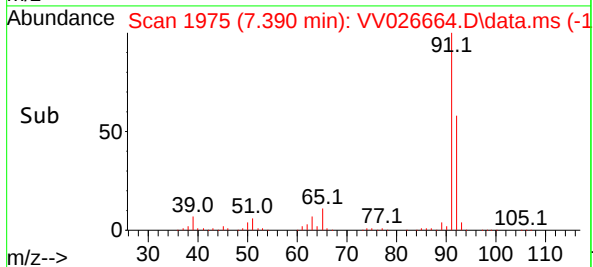
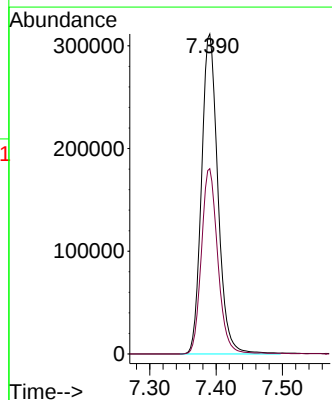
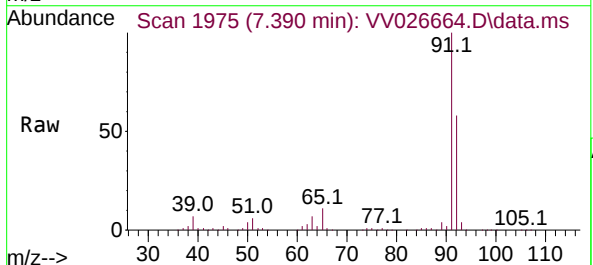
Instrument :
MSVOA_V
ClientSampleId :
C0AN5

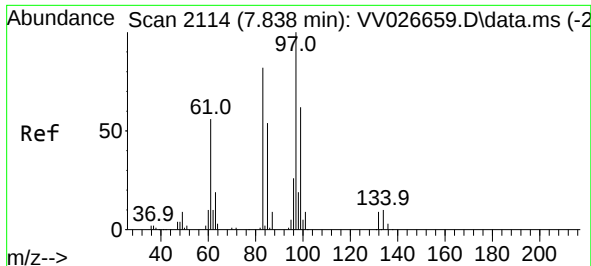
Tgt Ion: 83 Resp: 41251
Ion Ratio Lower Upper
83 100
85 67.1 44.0 81.8
127 9.0 6.6 10.0



#42
Toluene
Concen: 8.656 ug/L
RT: 7.390 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion: 91 Resp: 535367
Ion Ratio Lower Upper
91 100
92 57.9 40.3 74.9

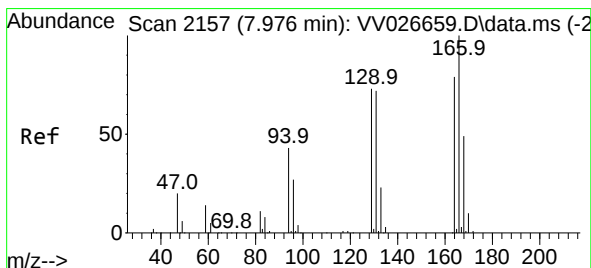
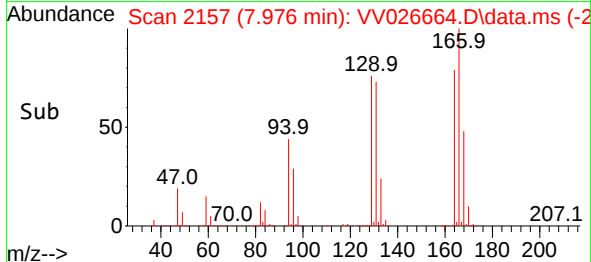
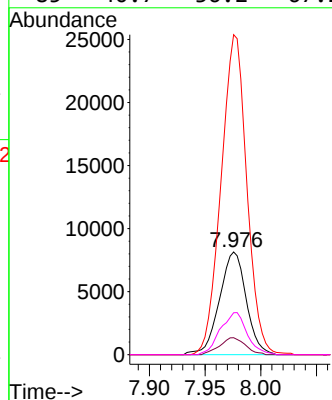
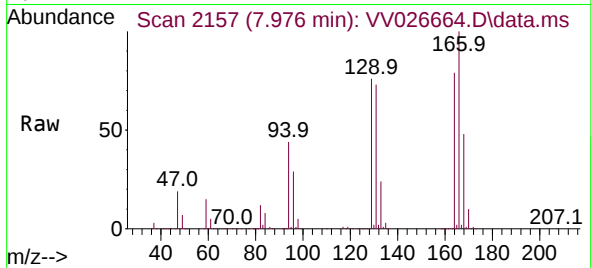




#45
1,1,2-Trichloroethane
Concen: 1.498 ug/L
RT: 7.976 min Scan# 2114
Delta R.T. 0.138 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

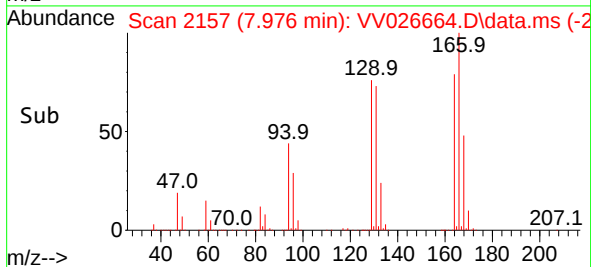
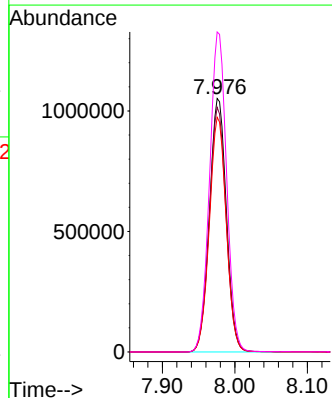
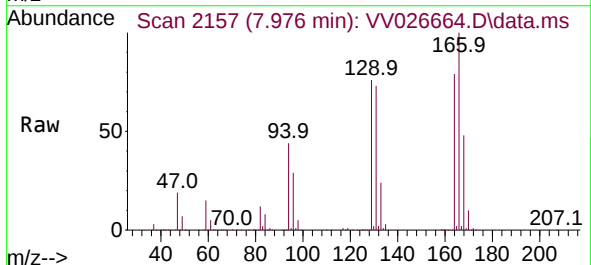
Instrument :
MSVOA_V
ClientSampleId :
COAN5

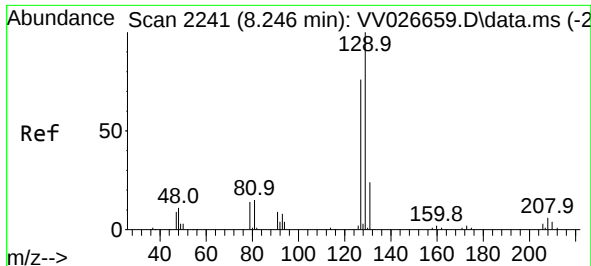
Tgt Ion: 97	Resp: 13640
Ion Ratio	Lower Upper
97 100	
99 16.5	43.4 80.6#
83 311.4	58.0 107.8#
85 40.7	36.2 67.2



#47
Tetrachloroethene
Concen: 136.818 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion: 164	Resp: 1715659
Ion Ratio	Lower Upper
164 100	
129 96.5	66.4 123.2
131 92.6	64.4 119.6
166 126.2	88.1 163.7





#49

Dibromochloromethane

Concen: 173.087 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Instrument :

MSVOA_V

ClientSampleId :

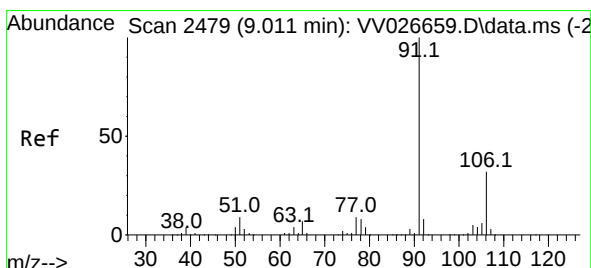
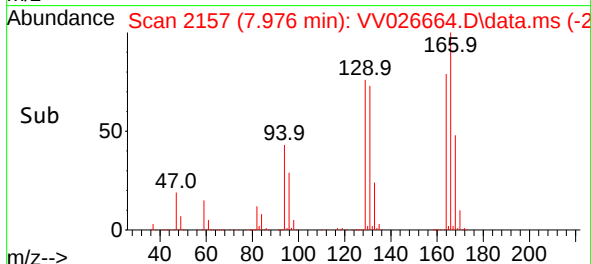
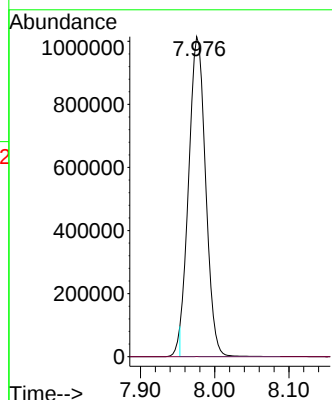
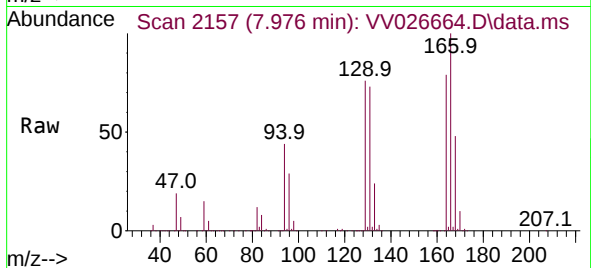
COAN5

Tgt Ion:129 Resp: 1595886

Ion Ratio Lower Upper

129 100

127 0.1 54.2 100.6#



#52

Ethylbenzene

Concen: 0.291 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.006 min

Lab File: VV026664.D

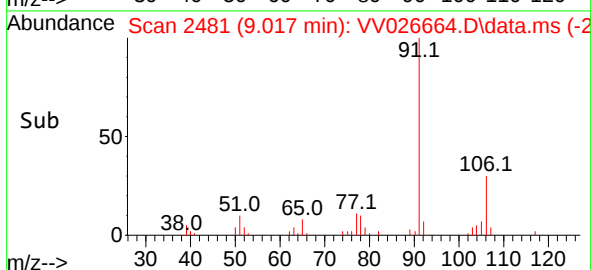
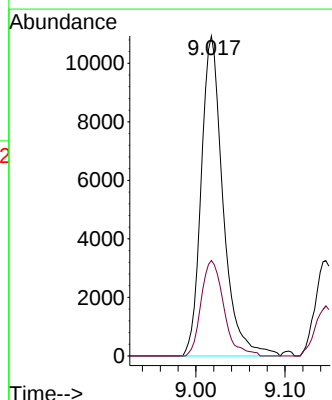
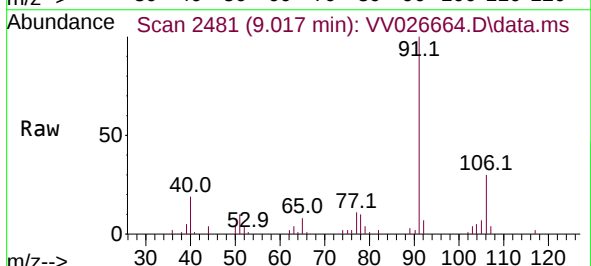
Acq: 06 Jul 2022 13:42

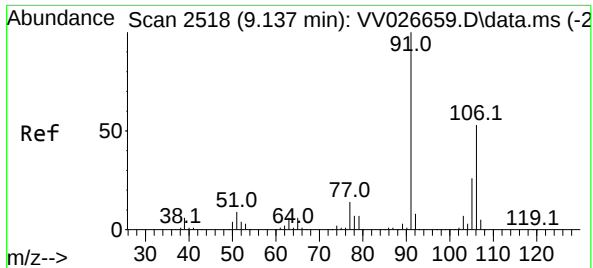
Tgt Ion: 91 Resp: 18597

Ion Ratio Lower Upper

91 100

106 29.9 22.1 41.1

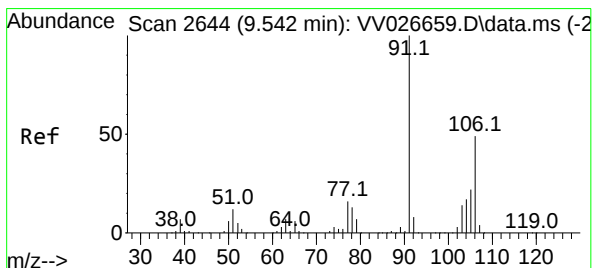
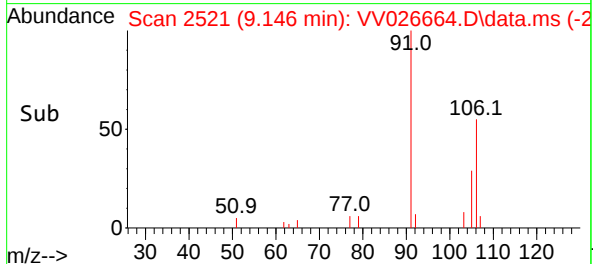
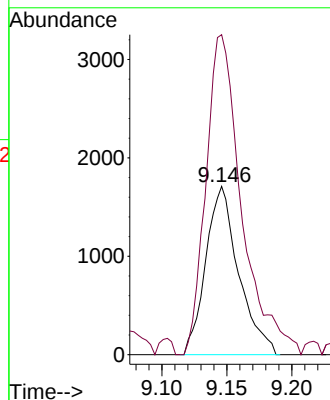
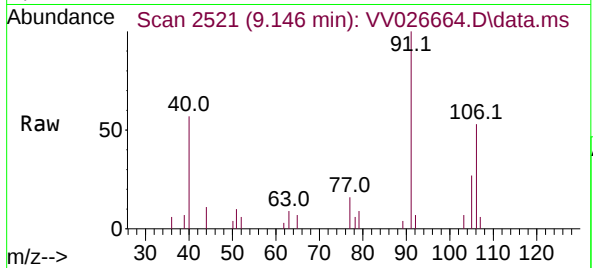




#53
m,p-Xylene
Concen: 0.120 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.009 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

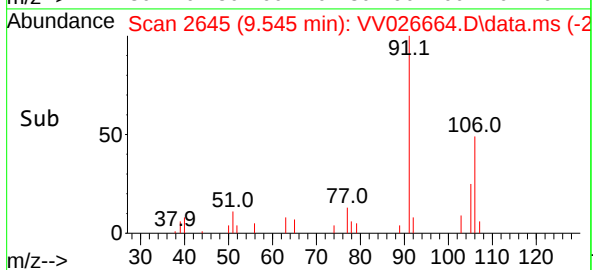
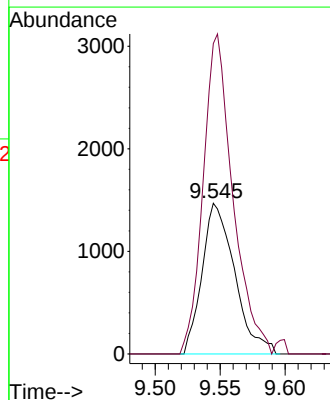
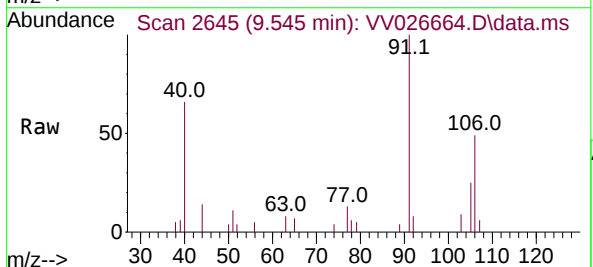
Instrument :
MSVOA_V
ClientSampleId :
C0AN5

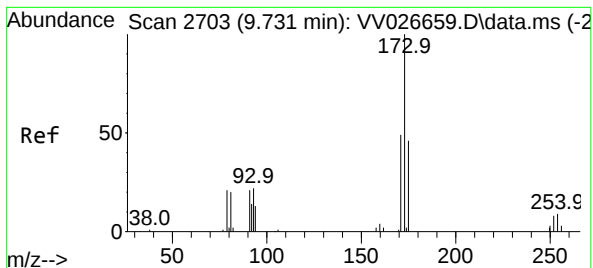
Tgt Ion:106 Resp: 3004
Ion Ratio Lower Upper
106 100
91 190.2 139.9 259.9



#54
o-Xylene
Concen: 0.110 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026664.D
Acq: 06 Jul 2022 13:42

Tgt Ion:106 Resp: 2568
Ion Ratio Lower Upper
106 100
91 206.1 147.5 273.9





#59

Bromoform

Concen: 5.565 ug/L

RT: 9.731 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Instrument :

MSVOA_V

ClientSampleId :

COAN5

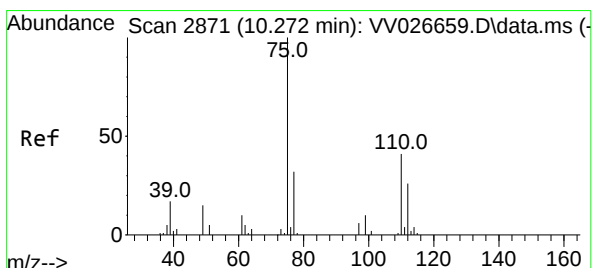
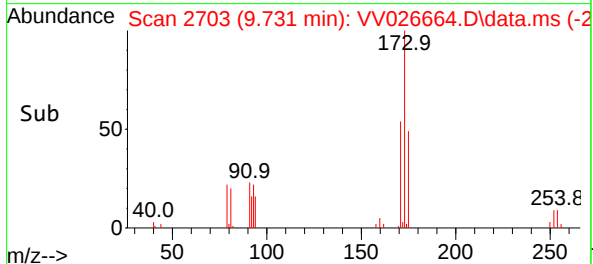
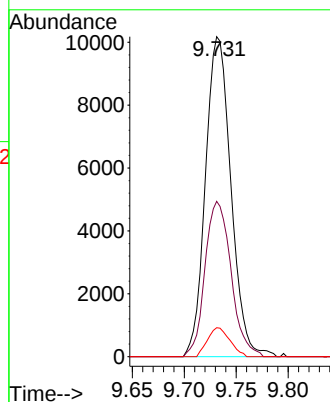
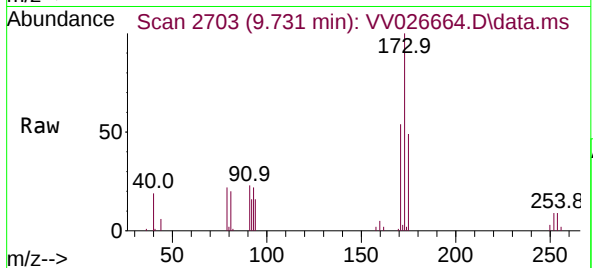
Tgt Ion:173 Resp: 17372

Ion Ratio Lower Upper

173 100

175 49.6 37.9 56.9

254 7.9 6.3 9.5



#61

1,2,3-Trichloropropane

Concen: 1.680 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV026664.D

Acq: 06 Jul 2022 13:42

Tgt Ion: 75 Resp: 9214

Ion Ratio Lower Upper

75 100

77 34.1 25.8 38.6

110 1.6 32.5 48.7#

