

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071822\
 Data File : VW026805.D
 Acq On : 18 Jul 2022 10:07
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005357

Quant Time: Jul 19 03:02:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 16 00:49:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	235671	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	242432	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	128945	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	83015	3.861	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.561	69	76130	4.098	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.000%
11) 1,1-Dichloroethene-d2	2.101	63	168425	4.080	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	3.886	46	145487	43.357	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.720%
24) Chloroform-d	4.339	84	177326	4.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.027	65	76436	4.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.043	84	311774	4.232	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.066	67	99422	4.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.310	98	283753	4.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	7.619	79	33390	4.621	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.088	63	147988	47.300	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.600%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	80452	4.676	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	99907	4.447	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	155060	5.175	ug/L	98
3) Chloromethane	1.237	50	139921	4.867	ug/L	99
5) Vinyl chloride	1.304	62	147502	5.039	ug/L	99
6) Bromomethane	1.513	94	77462	4.421	ug/L	98
8) Chloroethane	1.577	64	89710	5.201	ug/L	95
9) Trichlorofluoromethane	1.745	101	198480	5.335	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	116252	5.455	ug/L	99
12) 1,1-Dichloroethene	2.111	96	108215	5.237	ug/L	89
13) Acetone	2.179	43	110824	39.254	ug/L #	30
14) Carbon disulfide	2.285	76	320636	5.267	ug/L	99
15) Methyl Acetate	2.429	43	34258	6.000	ug/L	100
16) Methylene chloride	2.497	84	135437	5.503	ug/L	98
17) Methyl tert-butyl Ether	2.764	73	191594	5.382	ug/L	100
18) trans-1,2-Dichloroethene	2.751	96	109487	5.765	ug/L	94
19) 1,1-Dichloroethane	3.182	63	201336	5.805	ug/L	99
21) 2-Butanone	3.973	43	166025	50.424	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	105626	5.514	ug/L	98
23) Bromochloromethane	4.240	128	50885	5.766	ug/L	96
25) Chloroform	4.365	83	209247	5.760	ug/L	99

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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005357

Quant Time: Jul 19 03:02:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 16 00:49:45 2022
 Response via : Initial Calibration

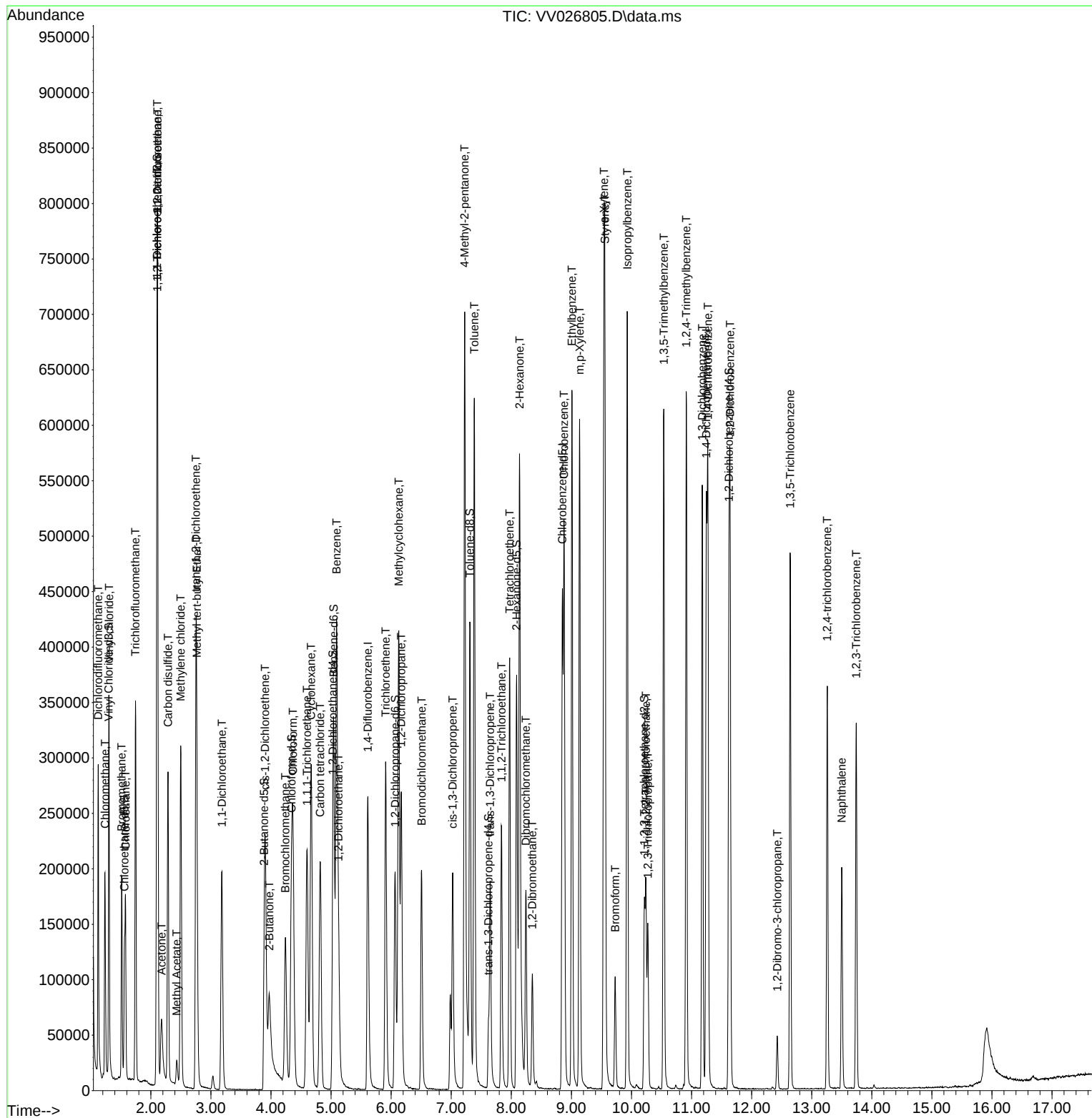
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	103886	5.308	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	180581	5.527	ug/L	99
30) Cyclohexane	4.667	56	139464	5.010	ug/L	98
31) Carbon tetrachloride	4.818	117	159353	5.523	ug/L	98
33) Benzene	5.092	78	442858	5.464	ug/L	100
34) Trichloroethene	5.908	95	106416	5.342	ug/L	98
35) Methylcyclohexane	6.127	83	157618	5.184	ug/L	99
37) 1,2-Dichloropropane	6.169	63	109185	5.634	ug/L	100
38) Bromodichloromethane	6.506	83	138726	5.491	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	130036	5.399	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	487405	54.444	ug/L	99
42) Toluene	7.384	91	462103	5.645	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	115426	5.836	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	77560	5.474	ug/L	97
47) Tetrachloroethene	7.973	164	87206	5.582	ug/L	98
48) 2-Hexanone	8.137	43	371857	57.391	ug/L	99
49) Dibromochloromethane	8.243	129	91846	5.625	ug/L	100
50) 1,2-Dibromoethane	8.349	107	68695	5.480	ug/L	99
51) Chlorobenzene	8.879	112	287056	5.547	ug/L	97
52) Ethylbenzene	9.008	91	429450	5.301	ug/L	99
53) m,p-Xylene	9.137	106	174367	5.535	ug/L	98
54) o-Xylene	9.542	106	162635	5.432	ug/L	98
55) Styrene	9.558	104	296369	5.649	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	91060	5.430	ug/L	98
59) Bromoform	9.728	173	44392	5.366	ug/L	98
60) Isopropylbenzene	9.931	105	428823	5.332	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	61982	5.212	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	322032	5.033	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	336874	5.185	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	218355	5.541	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	217575	5.430	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	196935	5.352	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	11985	4.754	ug/L	86
69) 1,3,5-Trichlorobenzene	12.641	180	145588	5.227	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	104984	4.956	ug/L	96
71) Naphthalene	13.500	128	158992	4.531	ug/L	98
72) 1,2,3-Trichlorobenzene	13.741	180	97298	4.937	ug/L	99

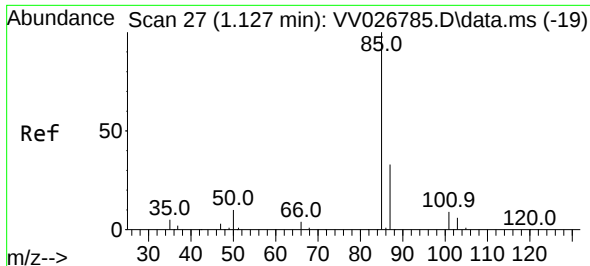
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD005357

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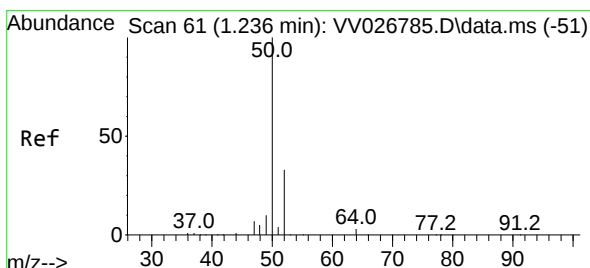
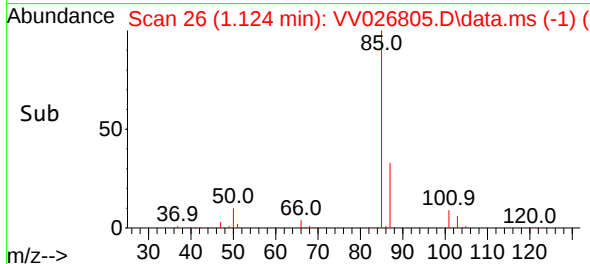
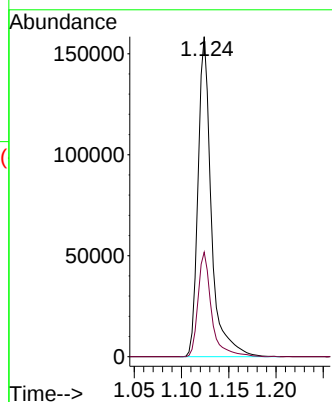
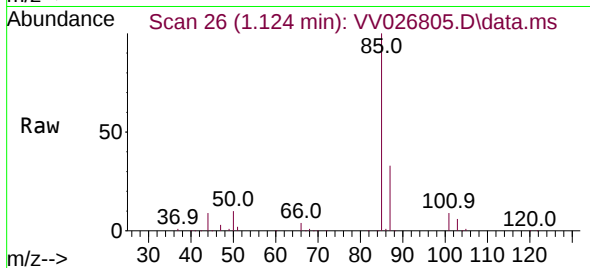




#2
 Dichlorodifluoromethane
 Concen: 5.175 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV026805.D
 Acq: 18 Jul 2022 10:07

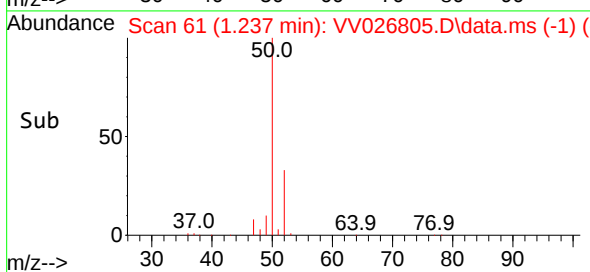
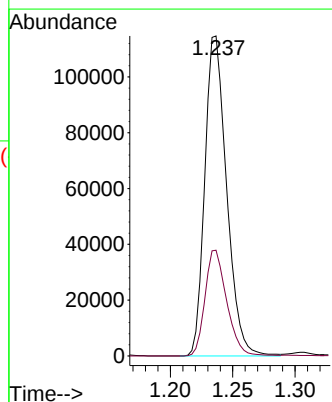
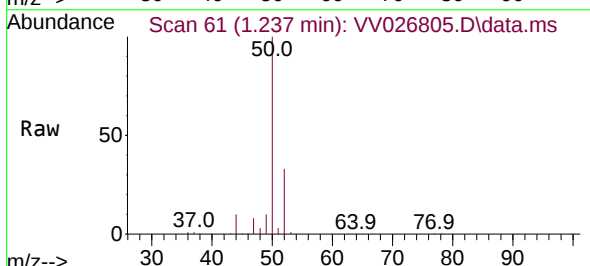
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005357

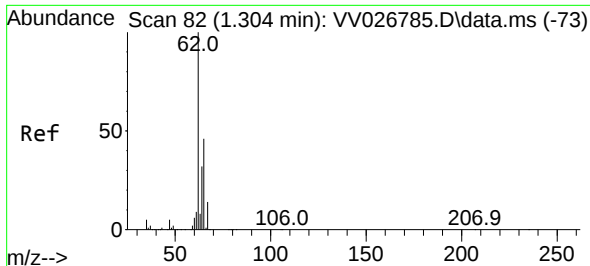
Tgt Ion: 85 Resp: 155060
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.8 38.8



#3
 Chloromethane
 Concen: 4.867 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV026805.D
 Acq: 18 Jul 2022 10:07

Tgt Ion: 50 Resp: 139921
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4

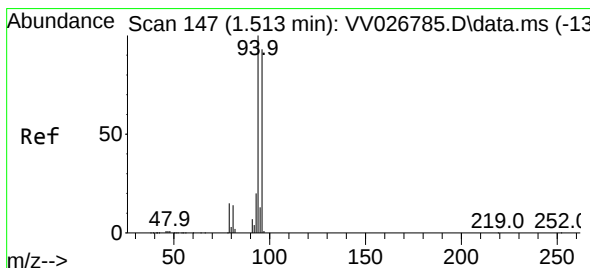
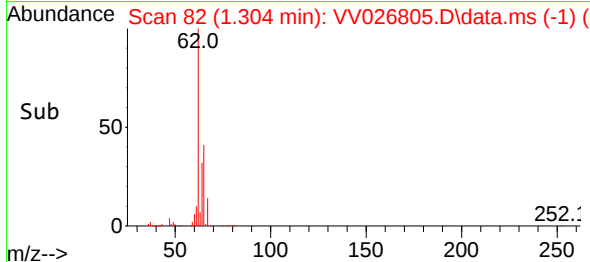
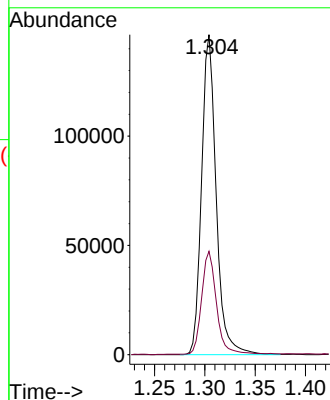
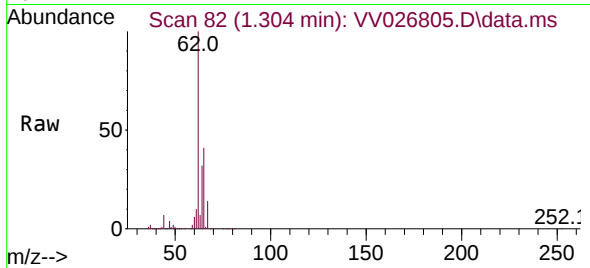




#5
 Vinyl chloride
 Concen: 5.039 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV026805.D
 Acq: 18 Jul 2022 10:07

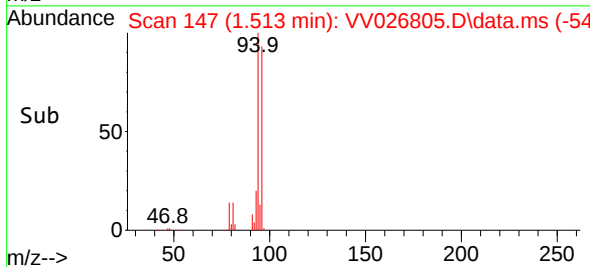
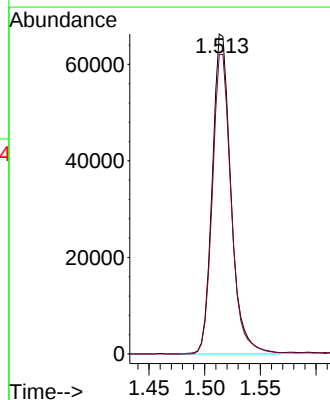
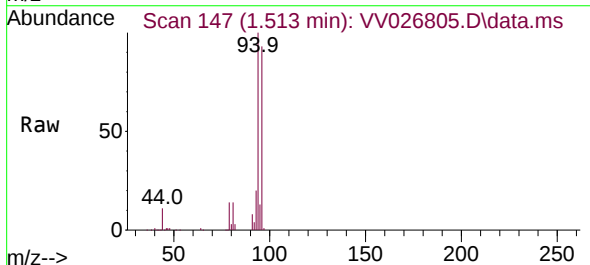
Instrument :
 MSVOA_V
 ClientSampleId :
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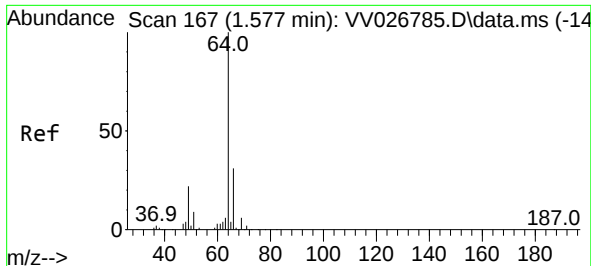
Tgt Ion: 62 Resp: 147502
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.9 42.5



#6
 Bromomethane
 Concen: 4.421 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VV026805.D
 Acq: 18 Jul 2022 10:07

Tgt Ion: 94 Resp: 77462
 Ion Ratio Lower Upper
 94 100
 96 93.5 67.1 124.7

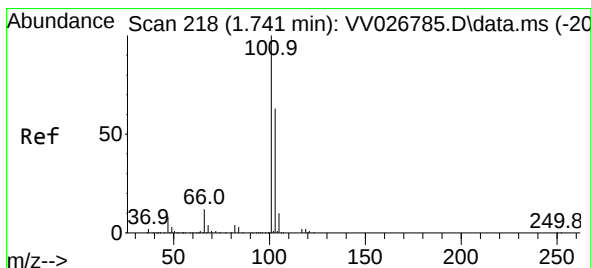
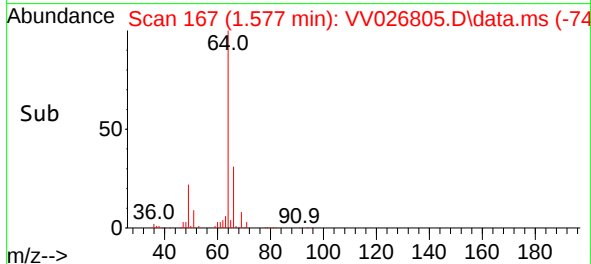
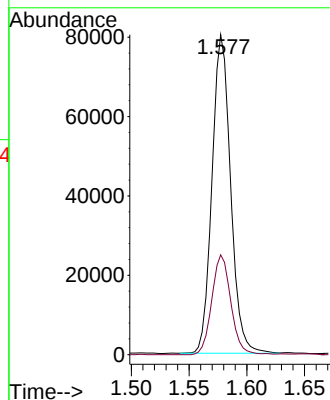
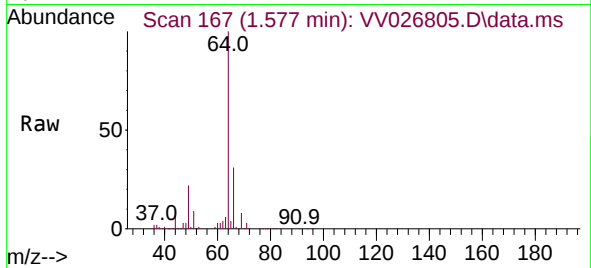




#8
Chloroethane
Concen: 5.201 ug/L
RT: 1.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

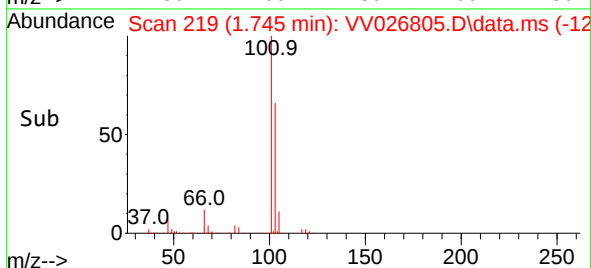
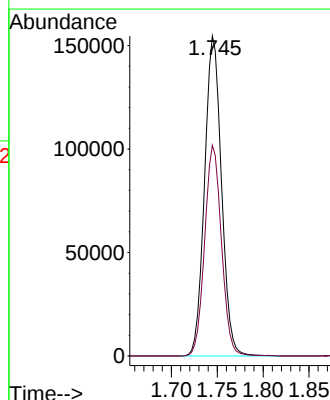
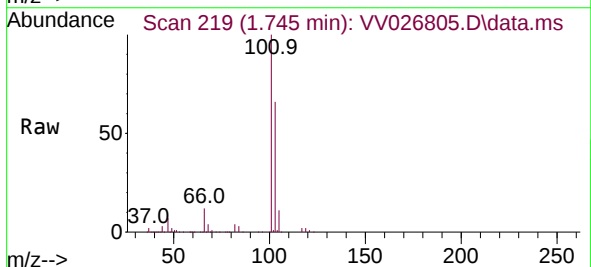
Instrument :
MSVOA_V
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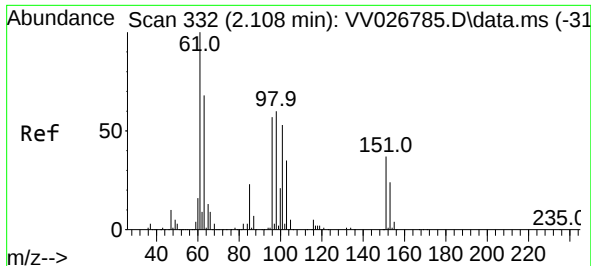
Tgt Ion: 64 Resp: 89710
Ion Ratio Lower Upper
64 100
66 31.2 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.335 ug/L
RT: 1.745 min Scan# 219
Delta R.T. 0.003 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 101 Resp: 198480
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.455 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

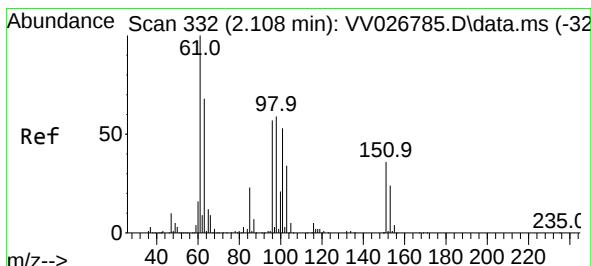
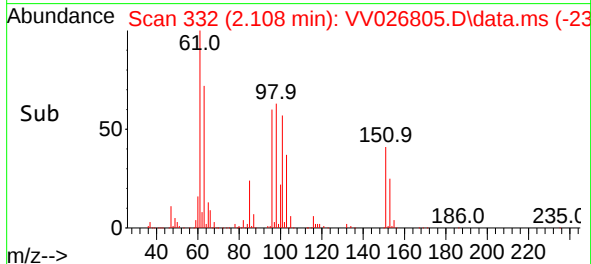
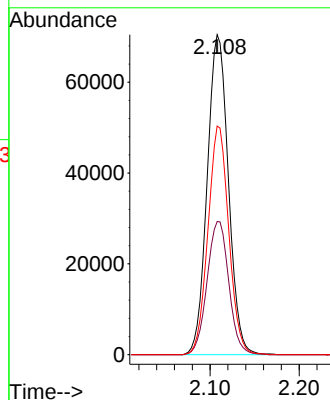
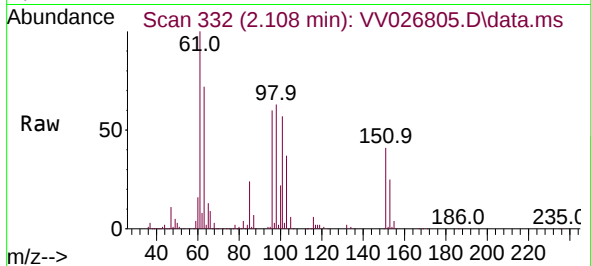
Tgt Ion:101 Resp: 116252

Ion Ratio Lower Upper

101 100

85 42.7 35.0 52.4

151 70.3 56.7 85.1



#12

1,1-Dichloroethene

Concen: 5.237 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

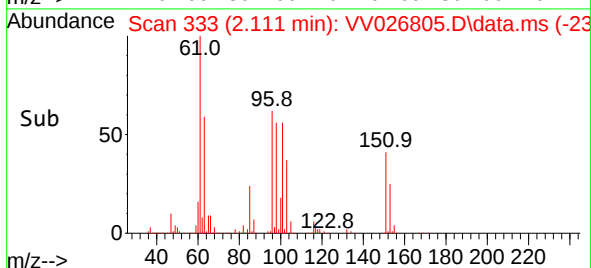
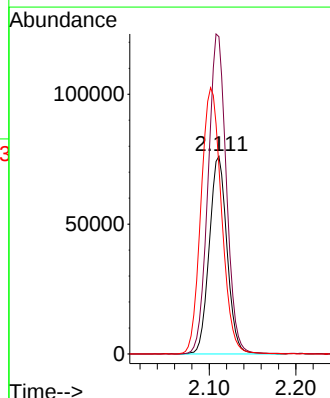
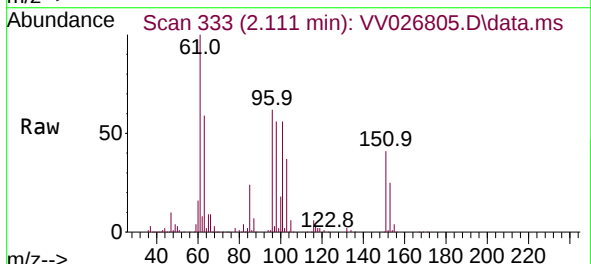
Tgt Ion: 96 Resp: 108215

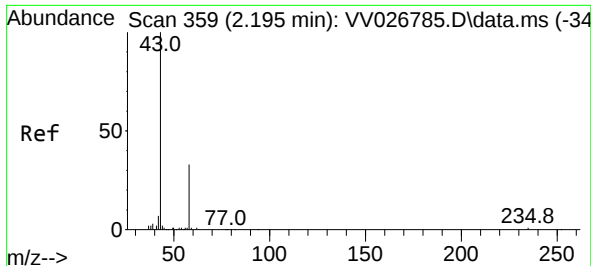
Ion Ratio Lower Upper

96 100

61 160.6 118.3 219.7

63 94.9 79.9 148.3

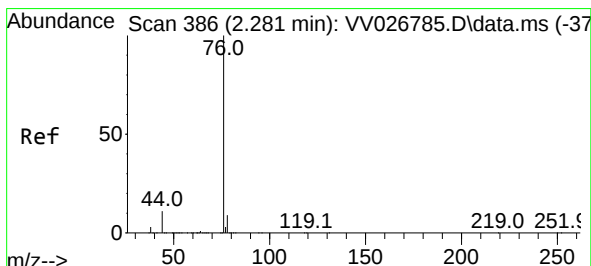
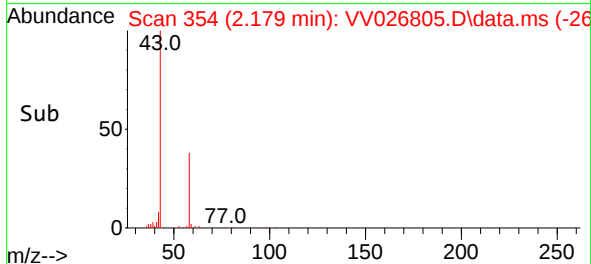
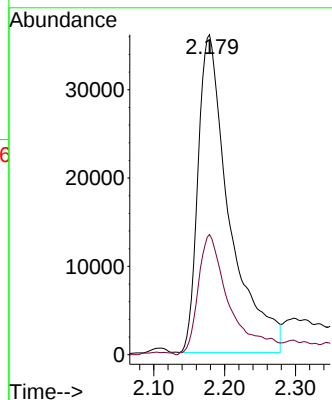
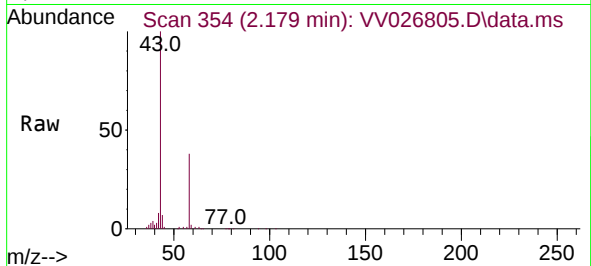




#13
Acetone
Concen: 39.254 ug/L
RT: 2.179 min Scan# 31
Delta R.T. -0.016 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

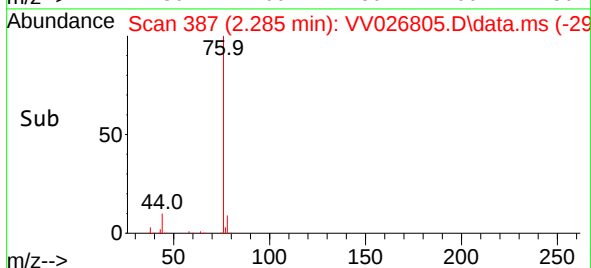
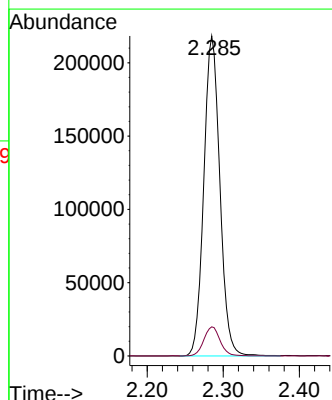
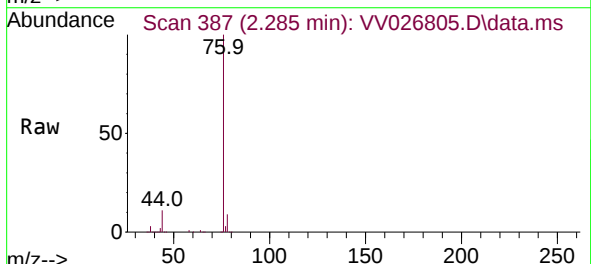
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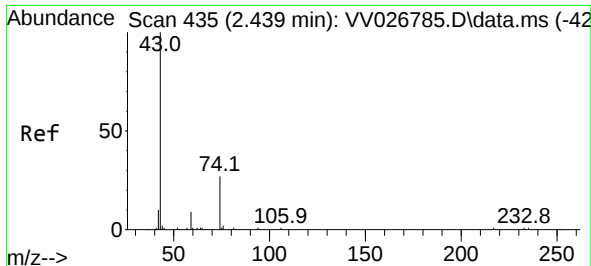
Tgt Ion: 43 Resp: 110824
Ion Ratio Lower Upper
43 100
58 36.4 0.0 20.6#



#14
Carbon disulfide
Concen: 5.267 ug/L
RT: 2.285 min Scan# 387
Delta R.T. 0.003 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 76 Resp: 320636
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

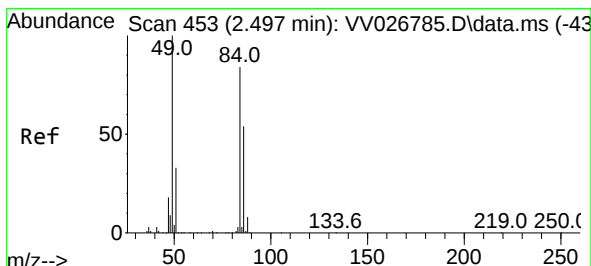
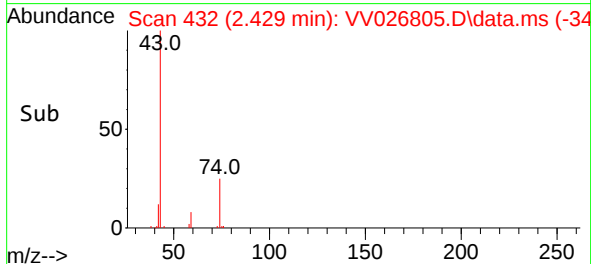
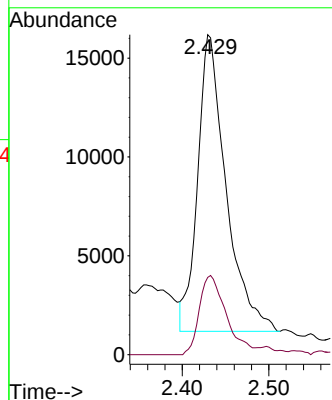
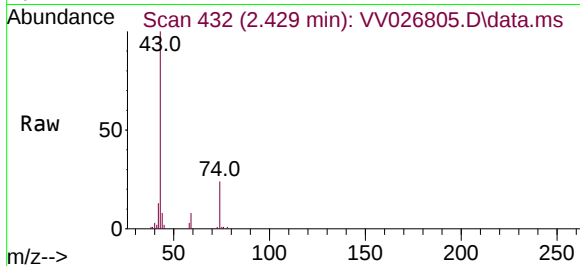




#15
Methyl Acetate
Concen: 6.000 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

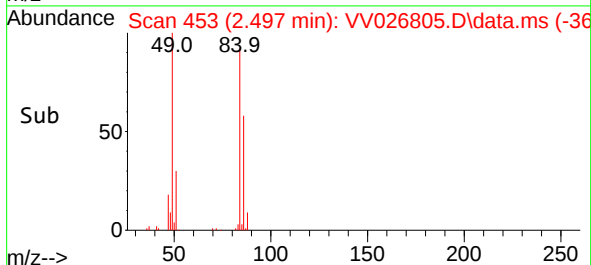
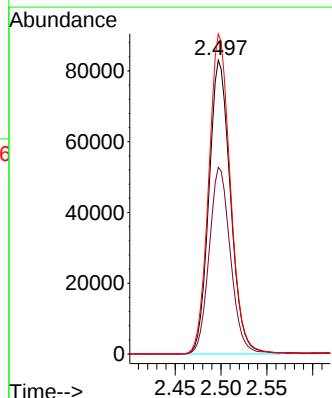
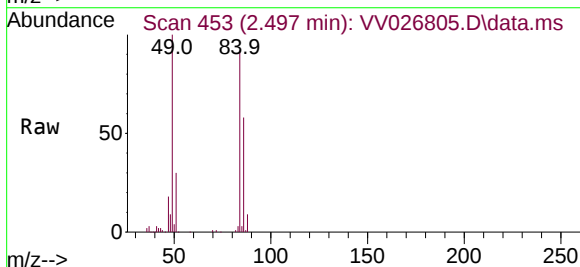
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

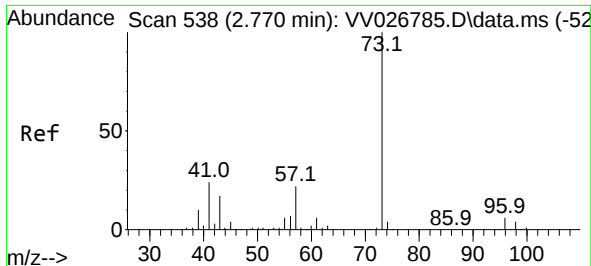
Tgt Ion: 43 Resp: 34258
Ion Ratio Lower Upper
43 100
74 25.3 20.1 30.1



#16
Methylene chloride
Concen: 5.503 ug/L
RT: 2.497 min Scan# 453
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 84 Resp: 135437
Ion Ratio Lower Upper
84 100
86 63.6 44.8 83.2
49 108.9 78.7 146.1

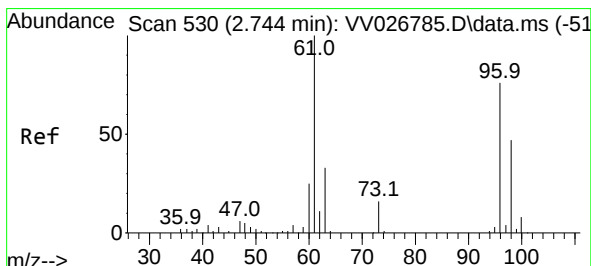
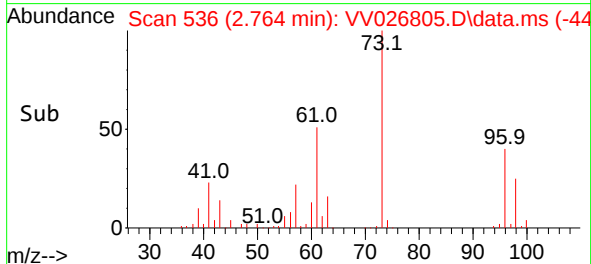
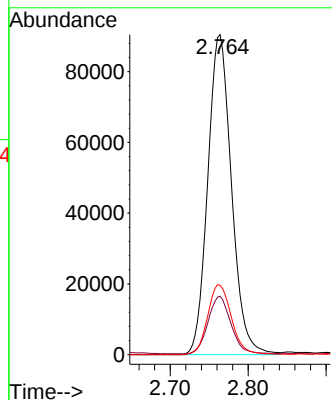
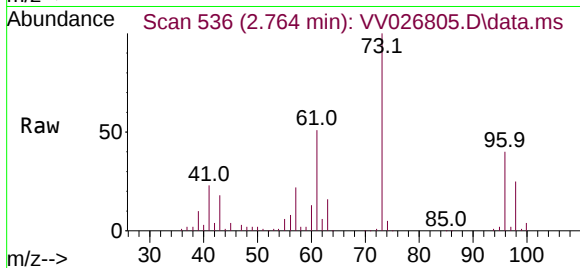




#17
Methyl tert-butyl Ether
Concen: 5.382 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

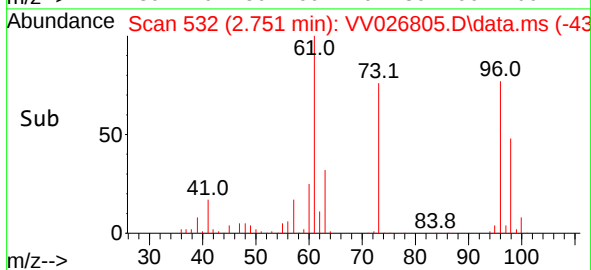
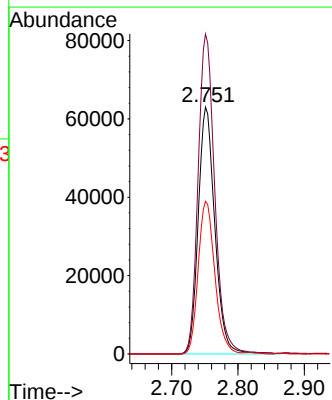
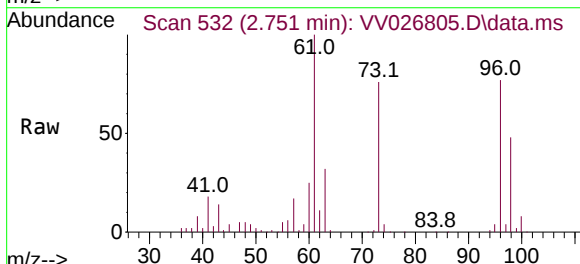
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

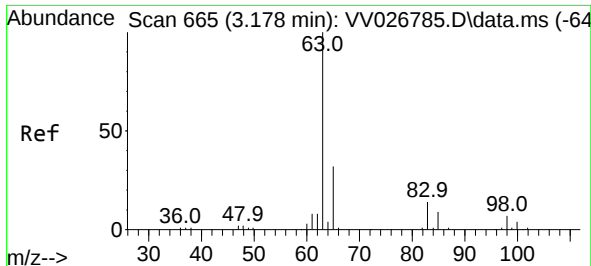
Tgt Ion: 73 Resp: 191594
Ion Ratio Lower Upper
73 100
43 17.3 14.0 21.0
57 21.9 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.765 ug/L
RT: 2.751 min Scan# 532
Delta R.T. 0.007 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 96 Resp: 109487
Ion Ratio Lower Upper
96 100
61 129.6 94.7 175.9
98 61.8 47.4 88.0





#19

1,1-Dichloroethane

Concen: 5.805 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

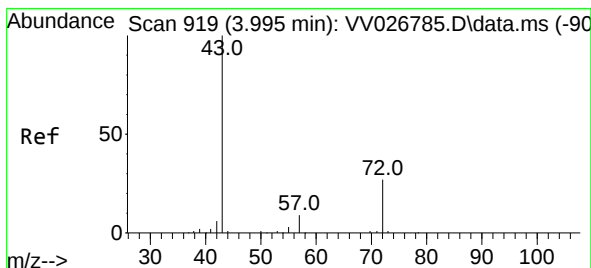
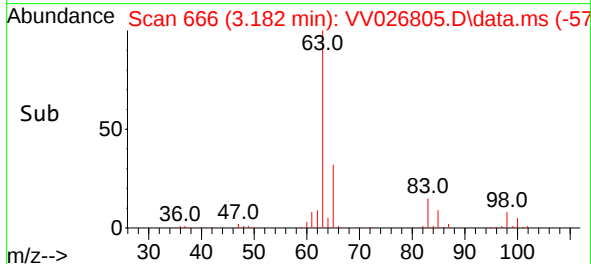
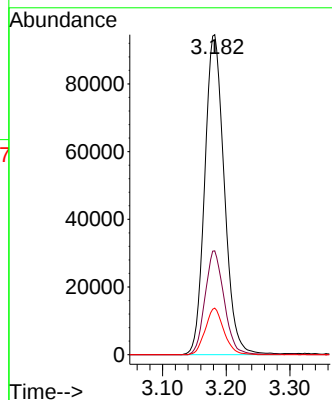
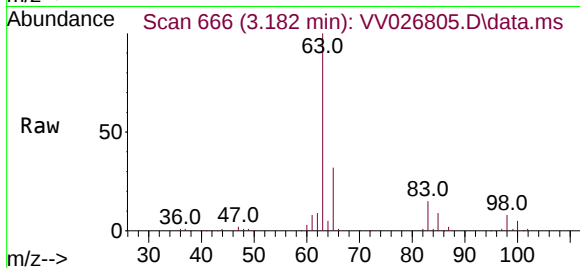
Tgt Ion: 63 Resp: 201336

Ion Ratio Lower Upper

63 100

65 32.5 22.3 41.3

83 14.5 9.9 18.5



#21

2-Butanone

Concen: 50.424 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.022 min

Lab File: VV026805.D

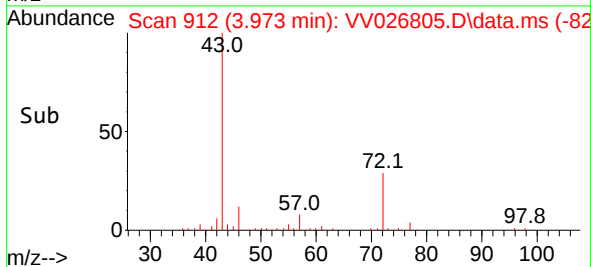
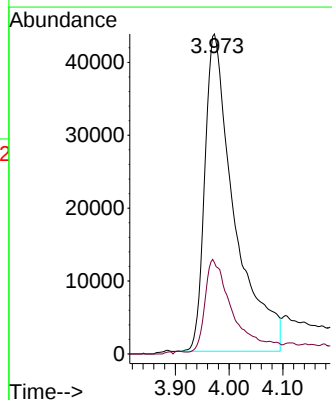
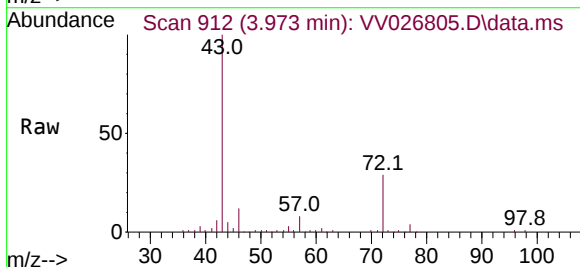
Acq: 18 Jul 2022 10:07

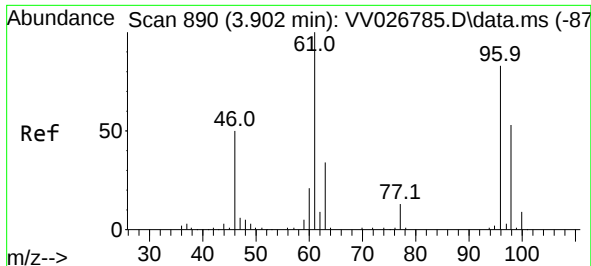
Tgt Ion: 43 Resp: 166025

Ion Ratio Lower Upper

43 100

72 26.3 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 5.514 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

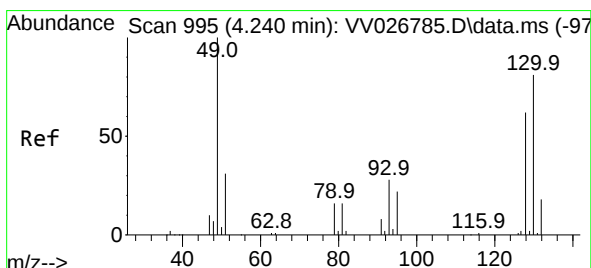
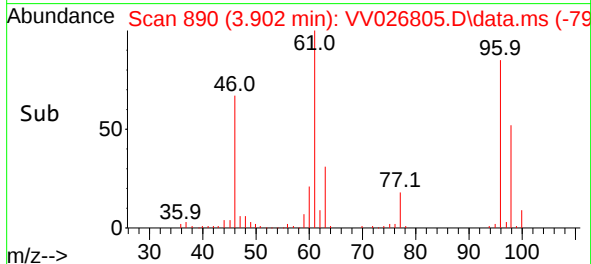
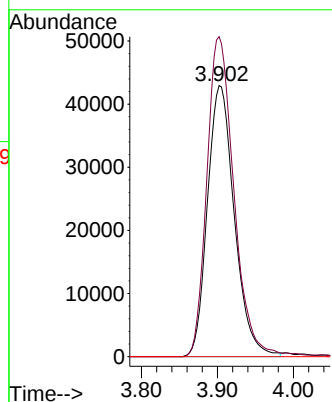
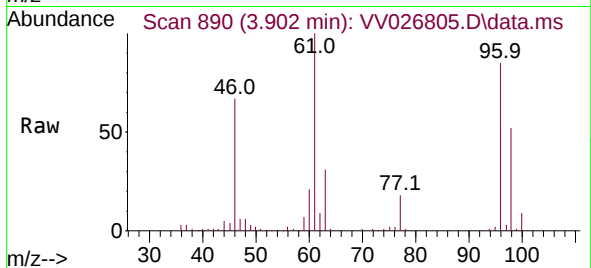
Tgt Ion: 96 Resp: 105626

Ion Ratio Lower Upper

96 100

61 118.1 83.9 155.9

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.766 ug/L

RT: 4.240 min Scan# 995

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Tgt Ion: 128 Resp: 50885

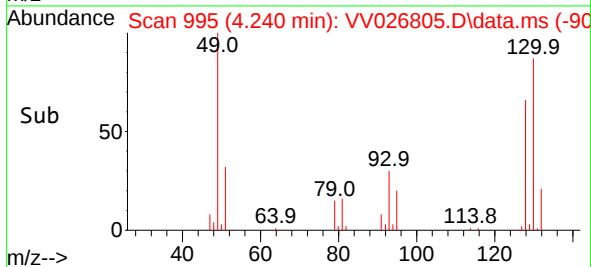
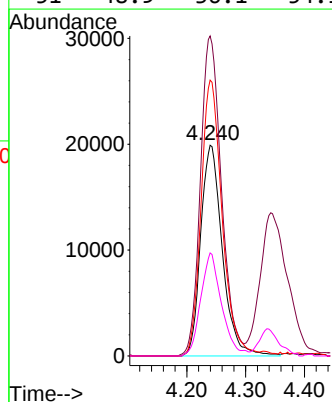
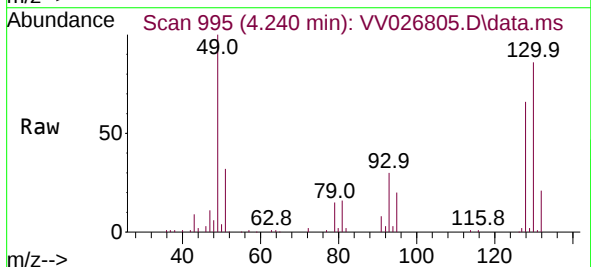
Ion Ratio Lower Upper

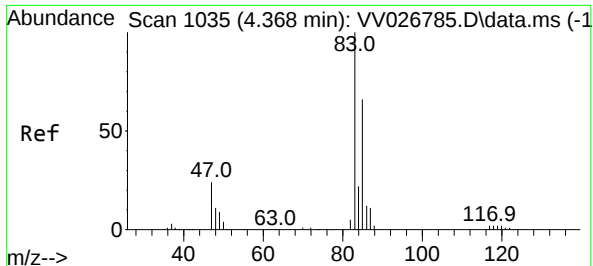
128 100

49 151.8 107.2 199.2

130 130.9 87.1 161.7

51 48.9 36.1 54.1





#25

Chloroform

Concen: 5.760 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

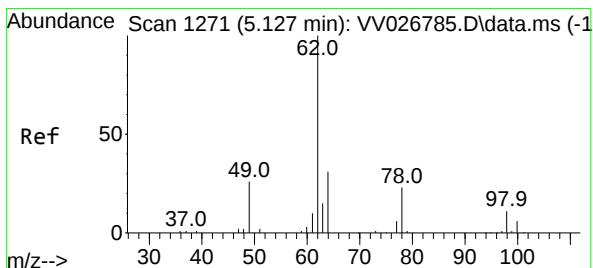
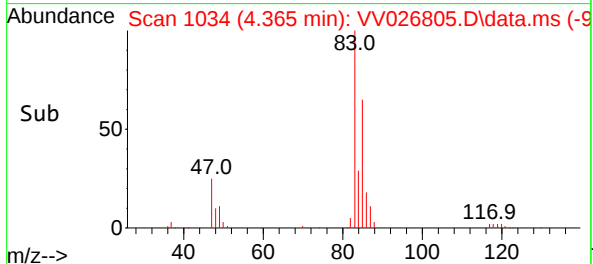
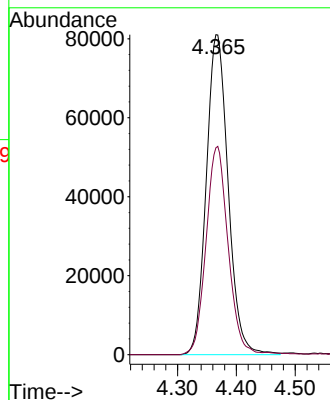
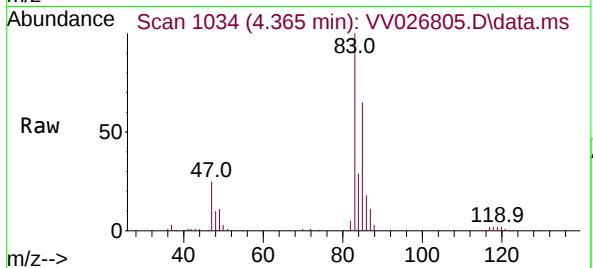
VSTD005357

Tgt Ion: 83 Resp: 209247

Ion Ratio Lower Upper

83 100

85 64.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.308 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV026805.D

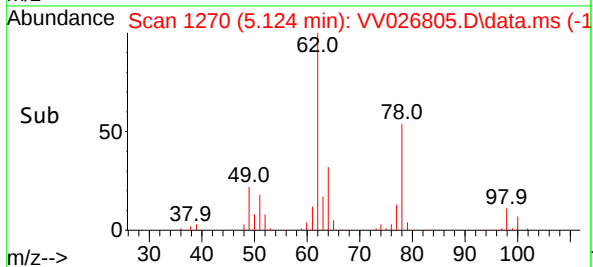
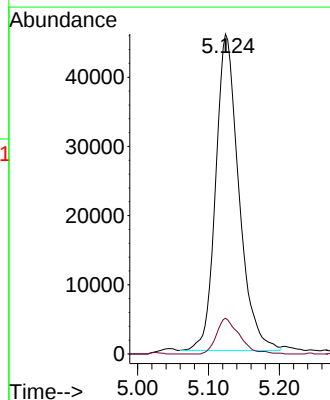
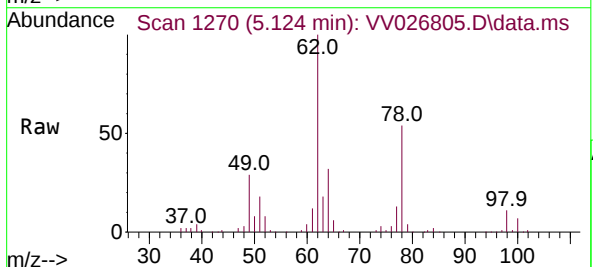
Acq: 18 Jul 2022 10:07

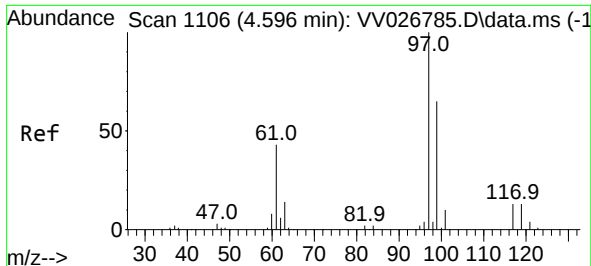
Tgt Ion: 62 Resp: 103886

Ion Ratio Lower Upper

62 100

98 11.2 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 5.527 ug/L

RT: 4.600 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

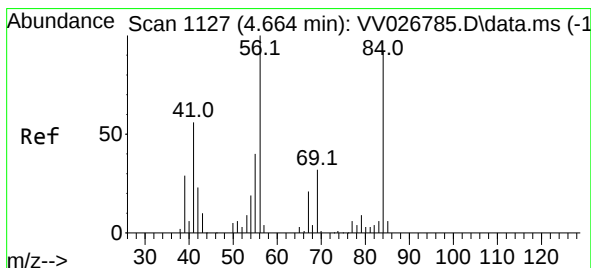
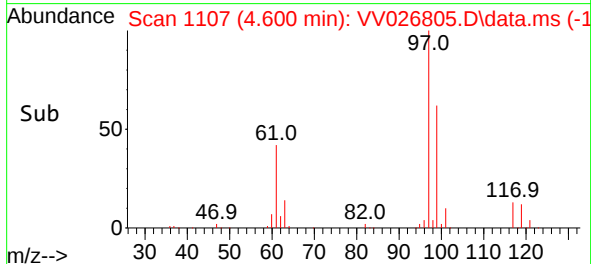
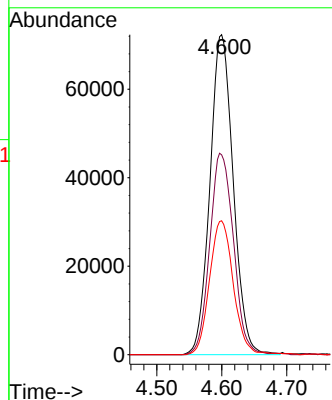
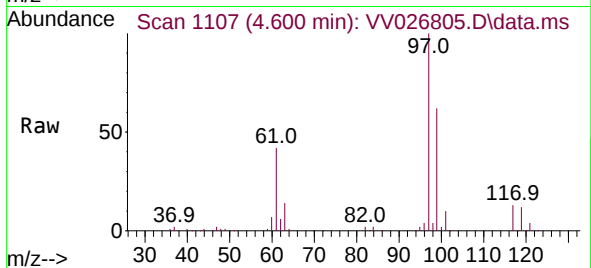
Tgt Ion: 97 Resp: 180581

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 42.3 35.1 52.7



#30

Cyclohexane

Concen: 5.010 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

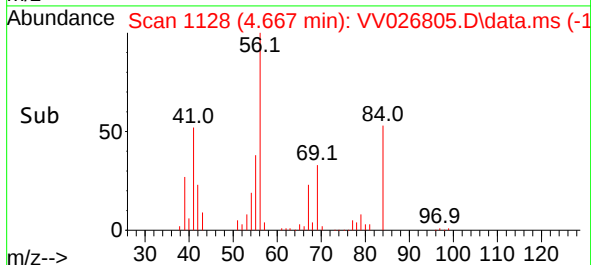
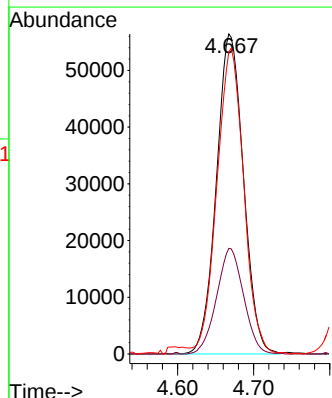
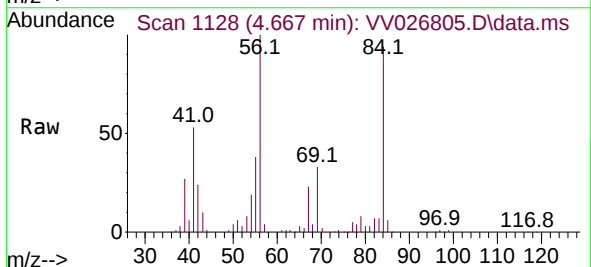
Tgt Ion: 56 Resp: 139464

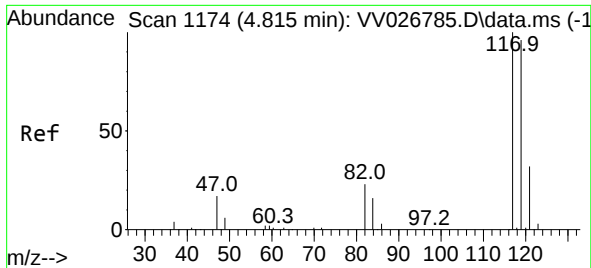
Ion Ratio Lower Upper

56 100

69 33.0 25.1 37.7

84 94.8 74.0 111.0

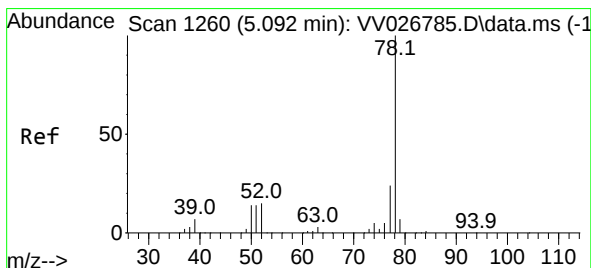
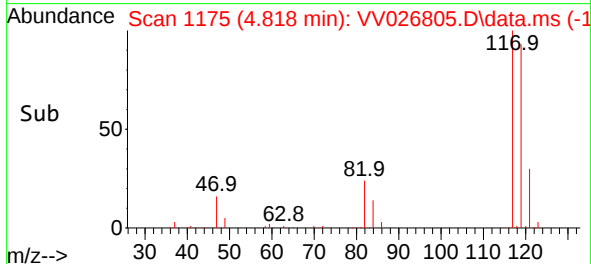
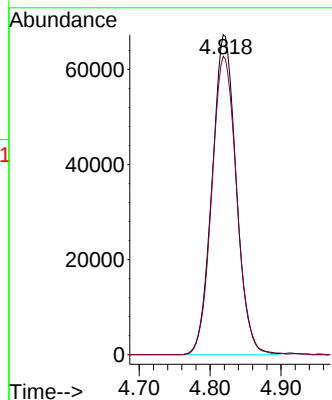
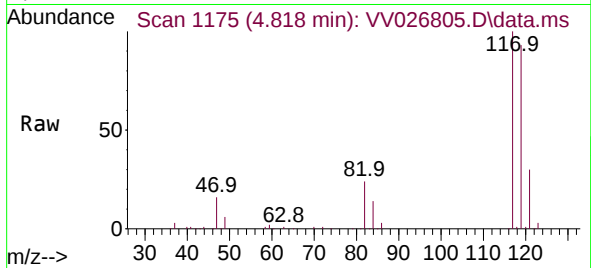




#31
Carbon tetrachloride
Concen: 5.523 ug/L
RT: 4.818 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

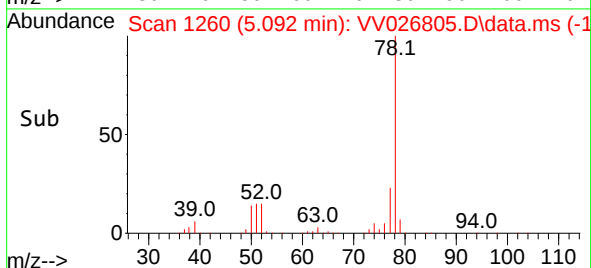
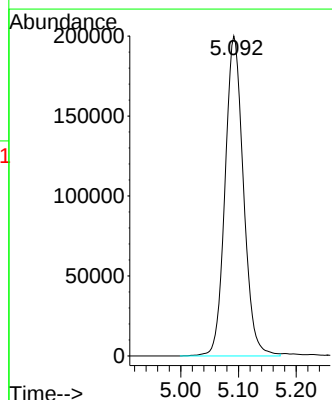
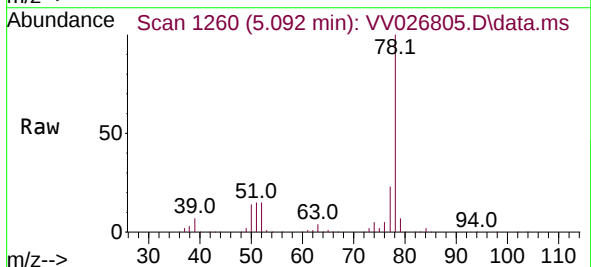
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

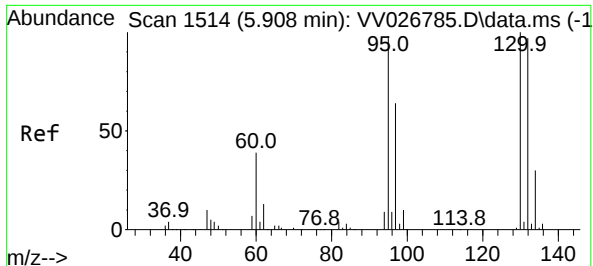
Tgt Ion:117 Resp: 159353
Ion Ratio Lower Upper
117 100
119 95.5 75.1 112.7



#33
Benzene
Concen: 5.464 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 78 Resp: 442858



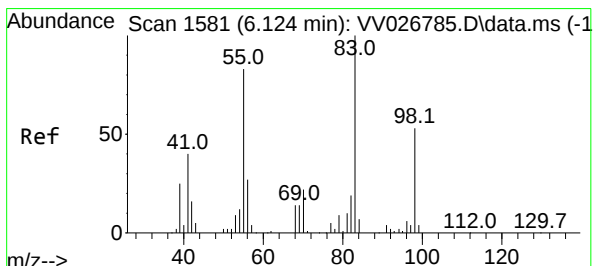
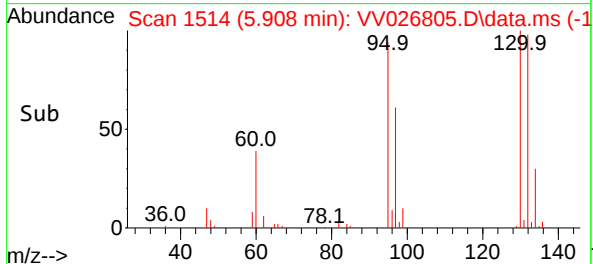
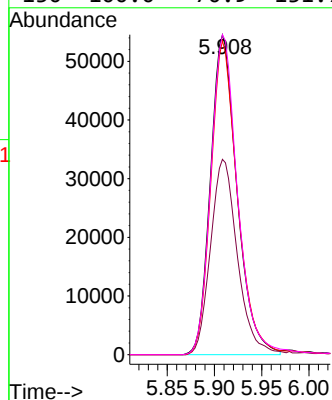
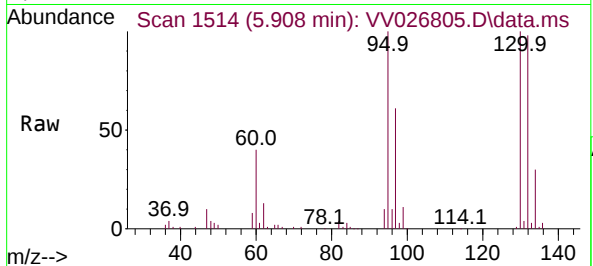


#34
Trichloroethene
Concen: 5.342 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

Tgt Ion: 95 Resp: 106416

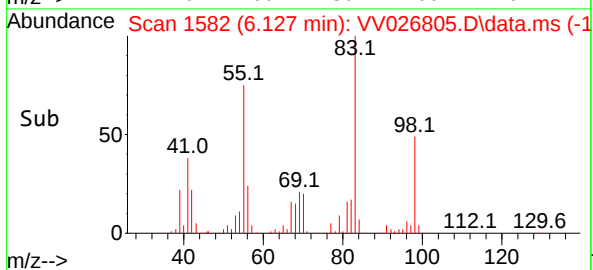
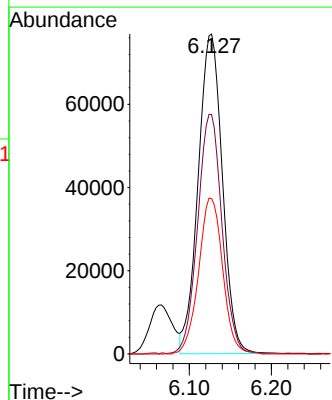
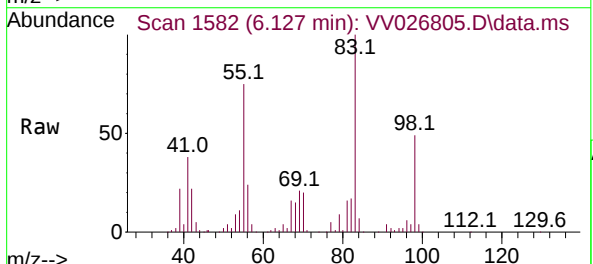
Ion	Ratio	Lower	Upper
95	100		
97	61.1	44.6	82.8
132	98.2	70.2	130.4
130	100.0	70.9	131.7

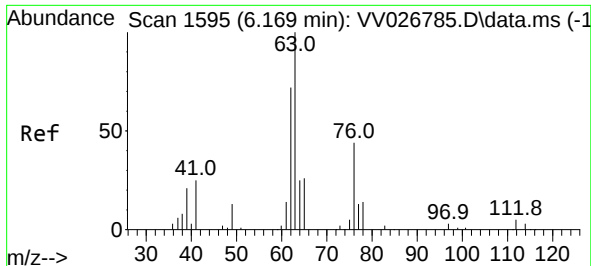


#35
Methylcyclohexane
Concen: 5.184 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.003 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 83 Resp: 157618

Ion	Ratio	Lower	Upper
83	100		
55	75.4	59.5	89.3
98	48.4	38.3	57.5





#37

1,2-Dichloropropane

Concen: 5.634 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

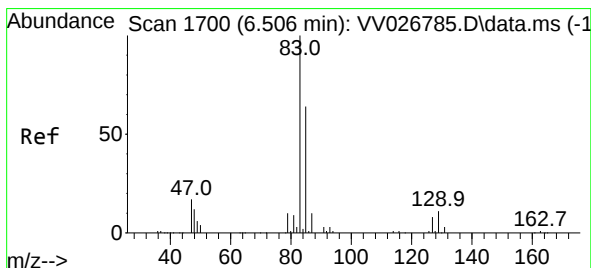
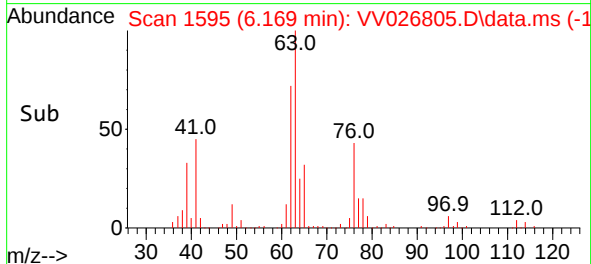
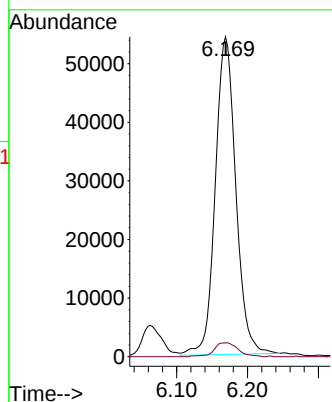
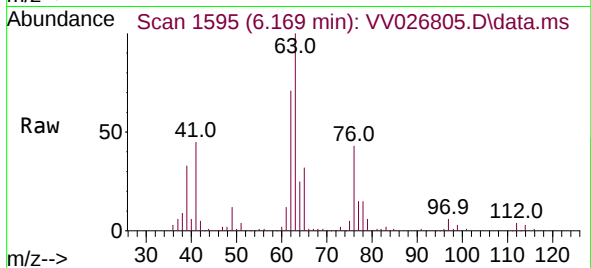
VSTD005357

Tgt Ion: 63 Resp: 109185

Ion Ratio Lower Upper

63 100

112 5.1 4.2 6.2



#38

Bromodichloromethane

Concen: 5.491 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

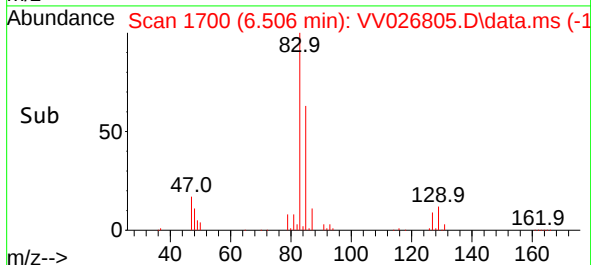
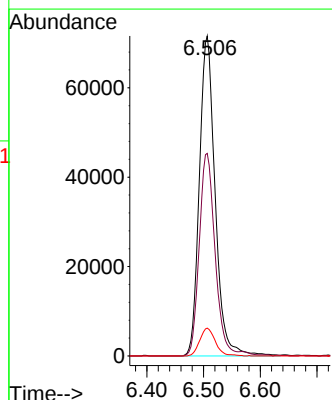
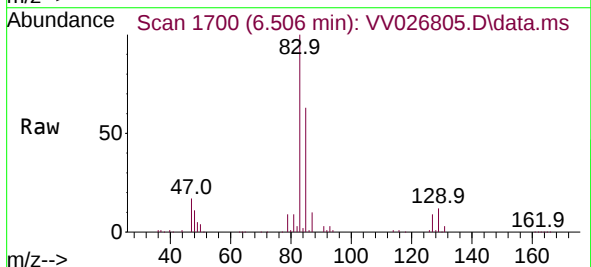
Tgt Ion: 83 Resp: 138726

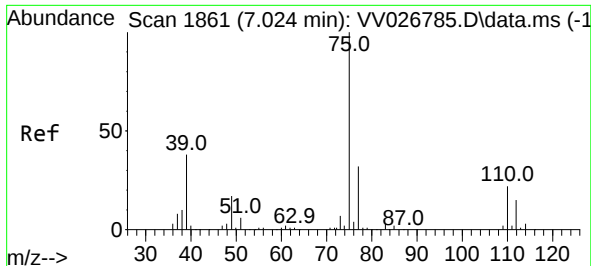
Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.4

127 8.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.399 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

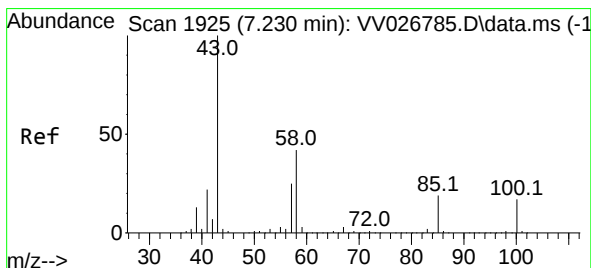
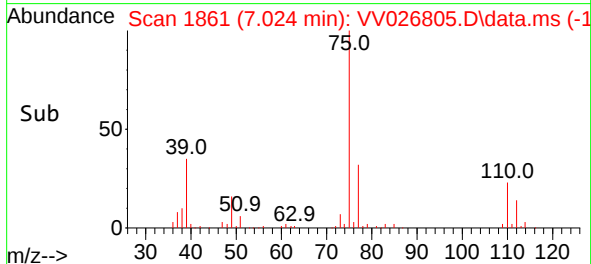
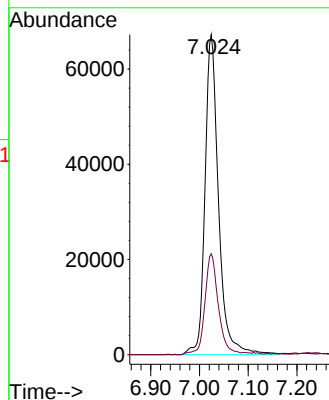
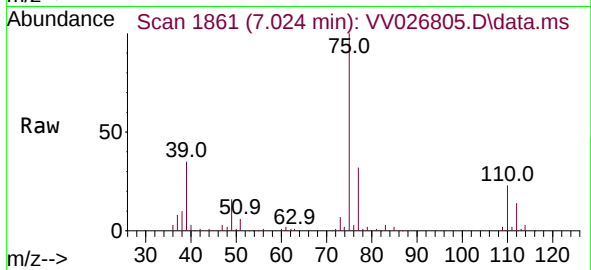
VSTD005357

Tgt Ion: 75 Resp: 130036

Ion Ratio Lower Upper

75 100

77 31.6 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 54.444 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.006 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

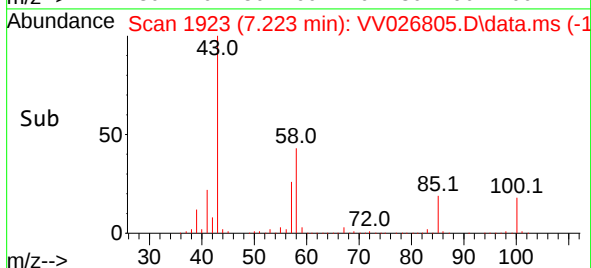
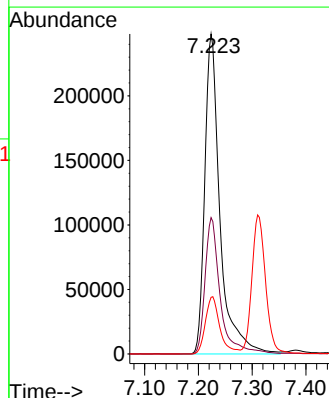
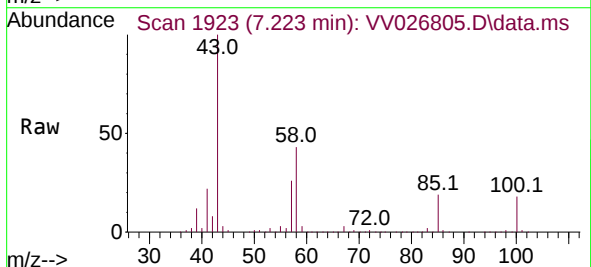
Tgt Ion: 43 Resp: 487405

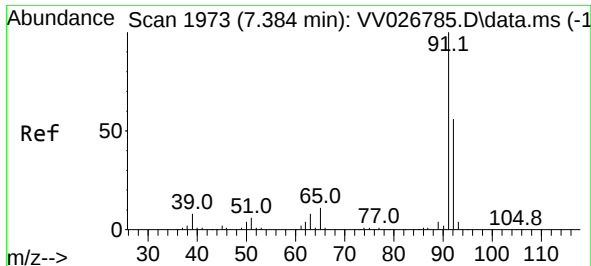
Ion Ratio Lower Upper

43 100

58 42.6 34.6 51.8

100 17.1 13.6 20.4





#42

Toluene

Concen: 5.645 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

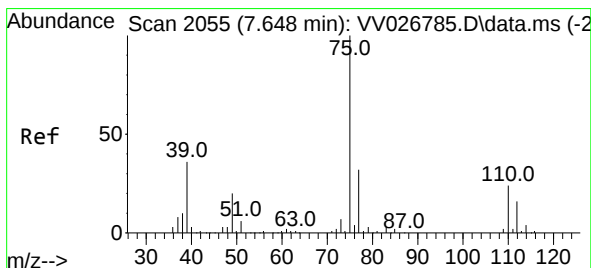
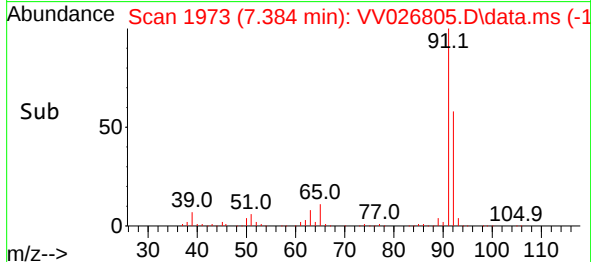
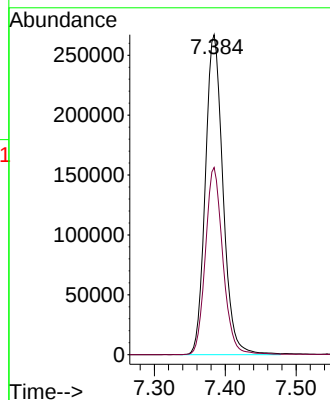
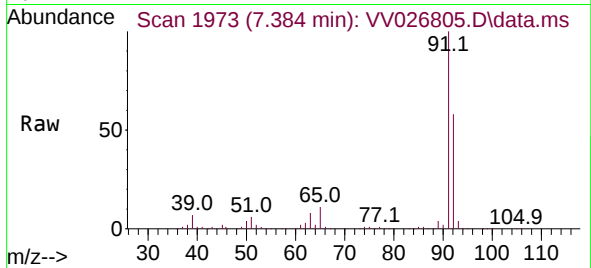
VSTD005357

Tgt Ion: 91 Resp: 462103

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.836 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV026805.D

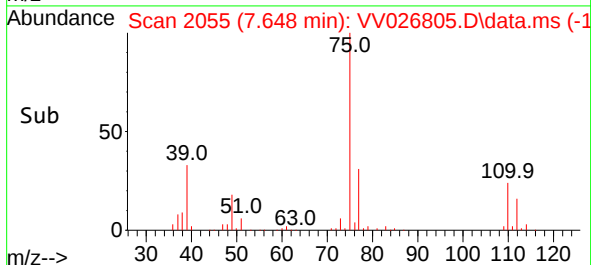
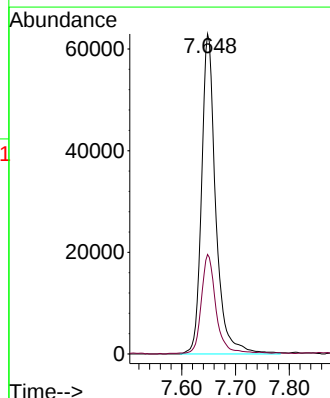
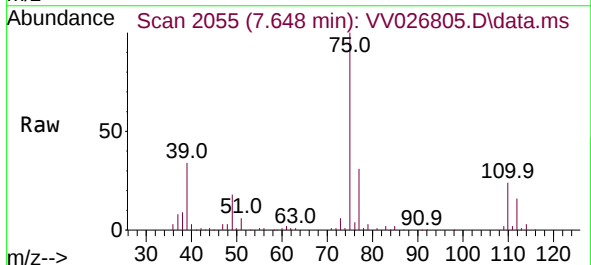
Acq: 18 Jul 2022 10:07

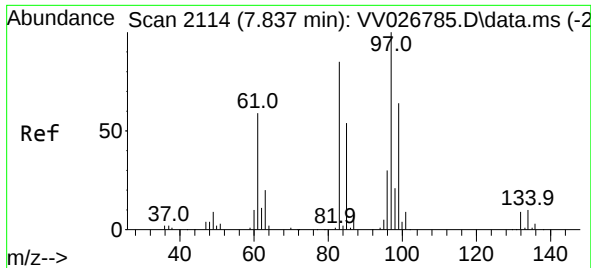
Tgt Ion: 75 Resp: 115426

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.3

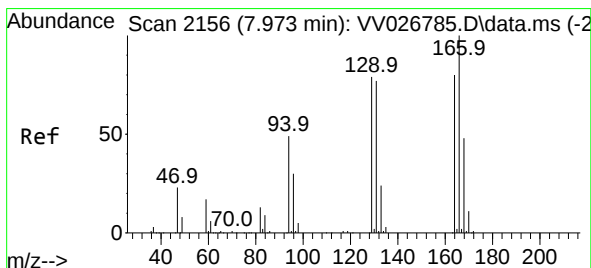
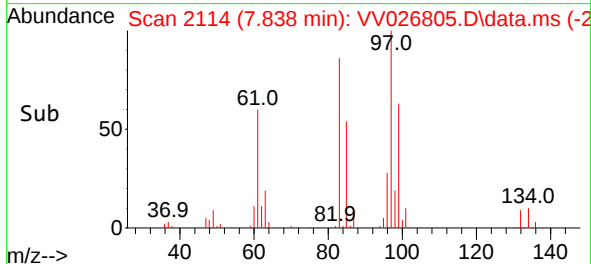
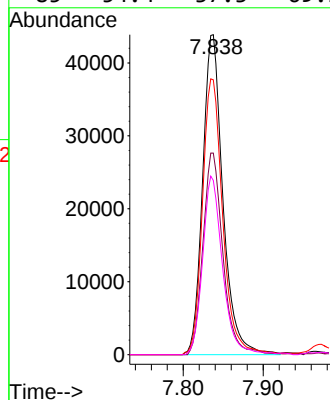
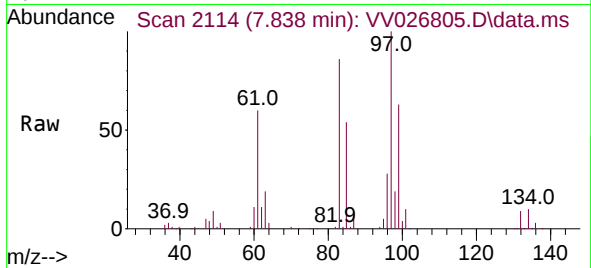




#45
1,1,2-Trichloroethane
Concen: 5.474 ug/L
RT: 7.838 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

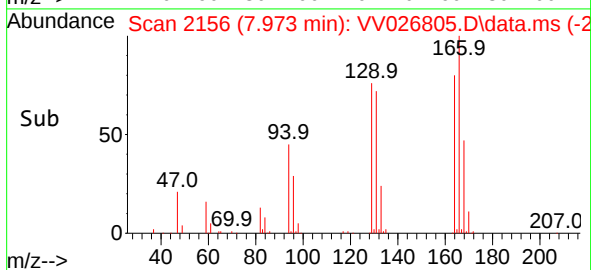
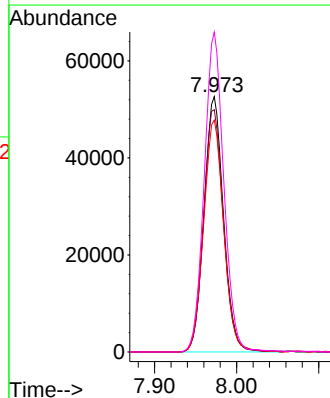
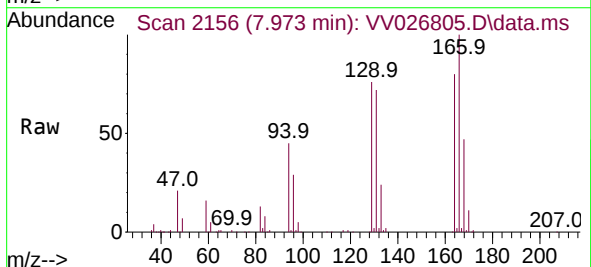
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

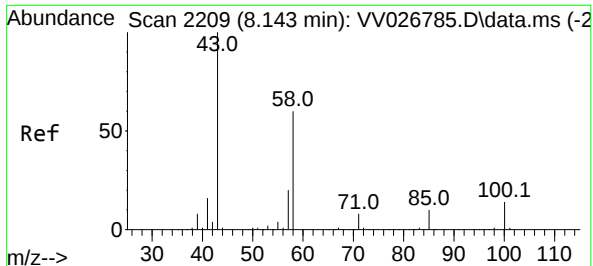
Tgt Ion:	97	Resp:	77560
Ion	Ratio	Lower	Upper
97	100		
99	63.0	41.9	77.9
83	85.9	58.1	107.9
85	54.4	37.3	69.3



#47
Tetrachloroethene
Concen: 5.582 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion:	164	Resp:	87206
Ion	Ratio	Lower	Upper
164	100		
129	94.9	67.8	125.8
131	90.8	65.9	122.5
166	125.3	88.8	164.8



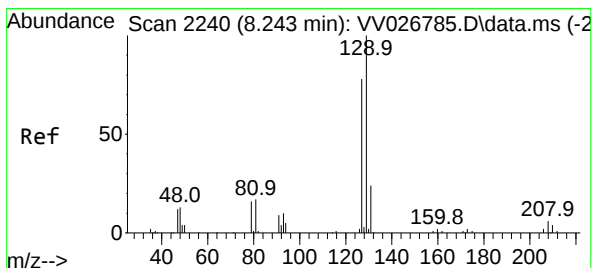
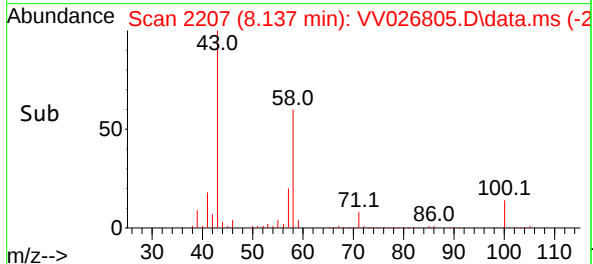
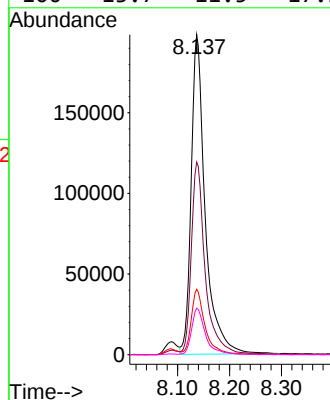
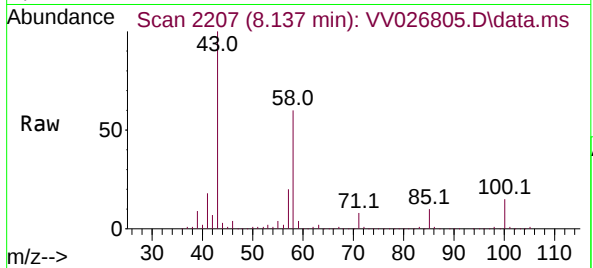


#48
2-Hexanone
Concen: 57.391 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.006 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

Tgt Ion: 43 Resp: 371857

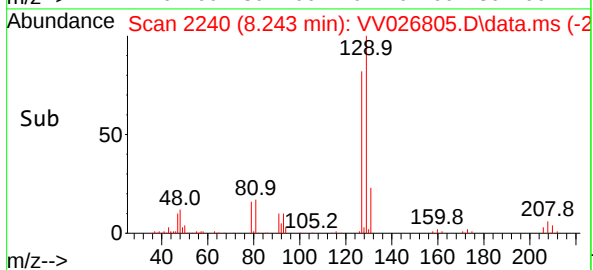
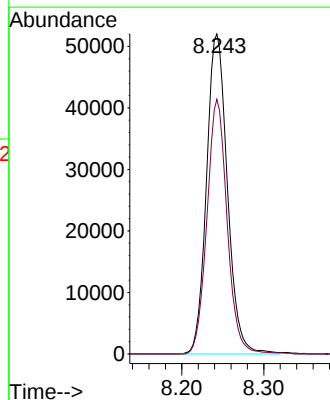
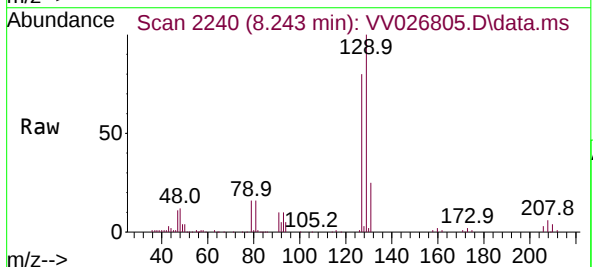
Ion	Ratio	Lower	Upper
43	100		
58	58.9	47.9	71.9
57	19.9	16.3	24.5
100	13.7	11.5	17.3

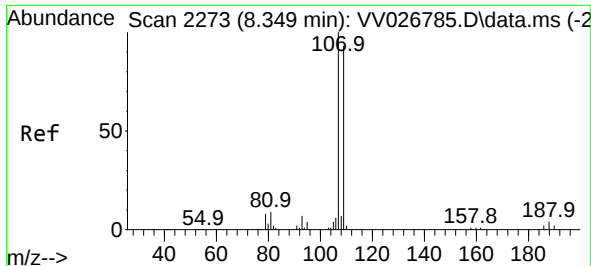


#49
Dibromochloromethane
Concen: 5.625 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 129 Resp: 91846

Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.7	103.5

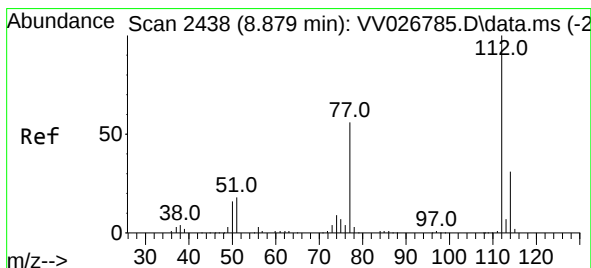
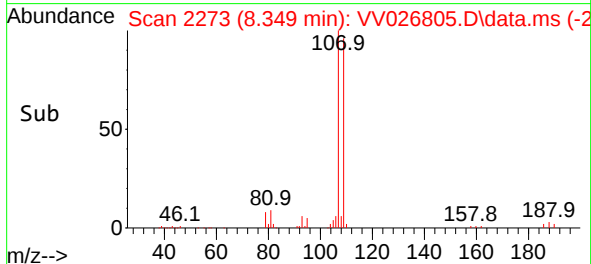
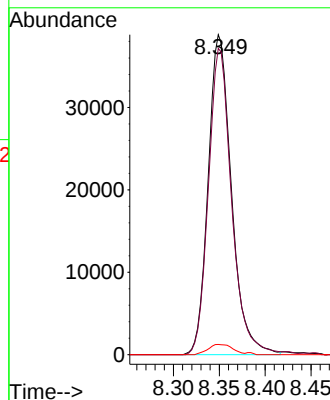
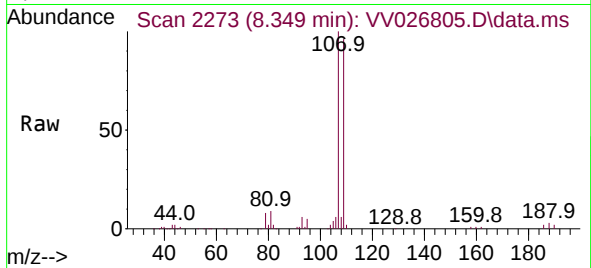




#50
1,2-Dibromoethane
Concen: 5.480 ug/L
RT: 8.349 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

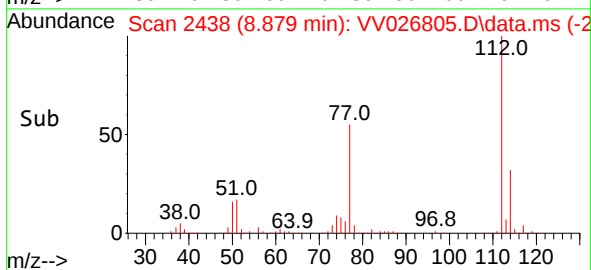
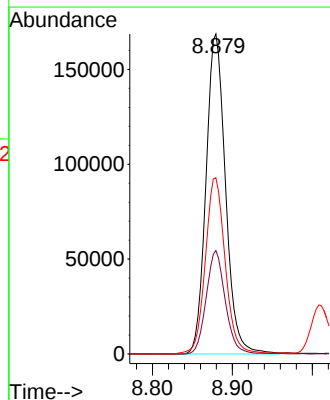
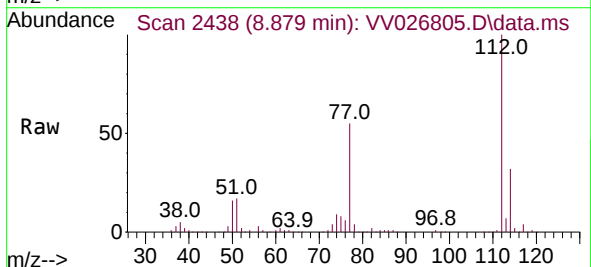
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

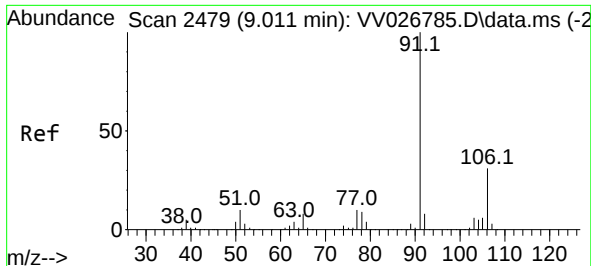
Tgt Ion:107 Resp: 68695
Ion Ratio Lower Upper
107 100
109 95.7 68.0 126.4
188 3.2 2.8 4.2



#51
Chlorobenzene
Concen: 5.547 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion:112 Resp: 287056
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.1
77 55.1 46.6 70.0





#52

Ethylbenzene

Concen: 5.301 ug/L

RT: 9.008 min Scan# 2479

Delta R.T. -0.003 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

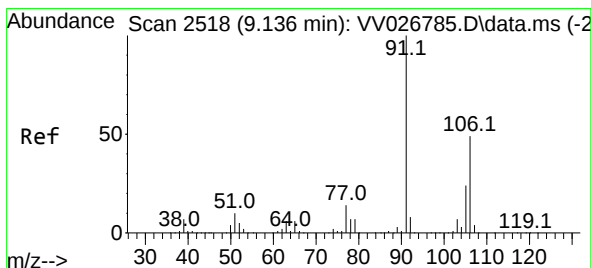
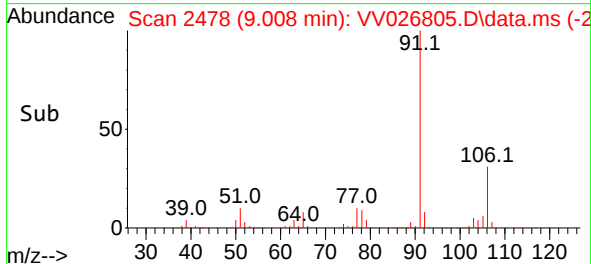
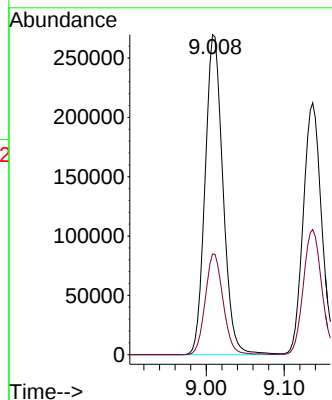
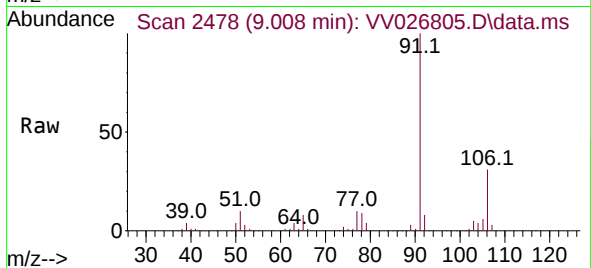
VSTD005357

Tgt Ion: 91 Resp: 429450

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.2



#53

m,p-Xylene

Concen: 5.535 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV026805.D

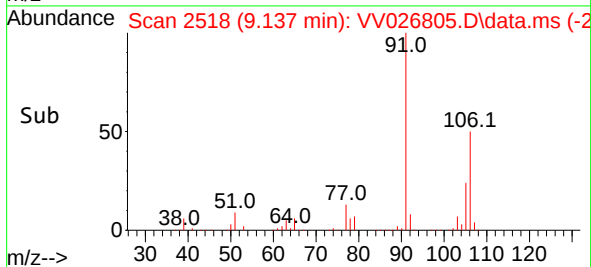
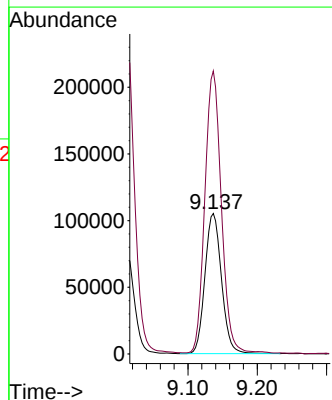
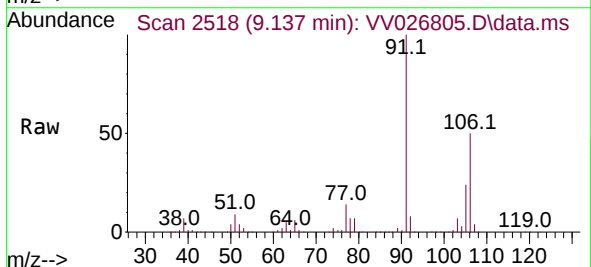
Acq: 18 Jul 2022 10:07

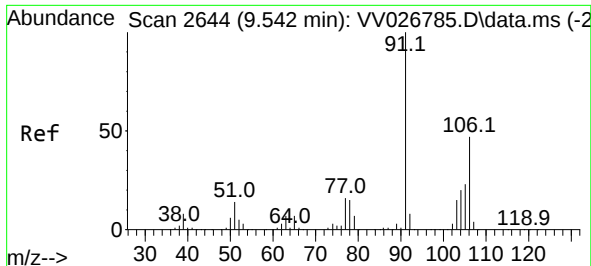
Tgt Ion:106 Resp: 174367

Ion Ratio Lower Upper

106 100

91 201.3 139.3 258.7

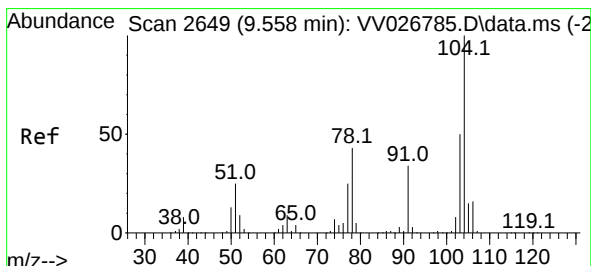
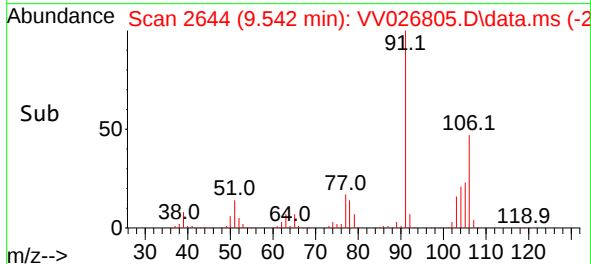
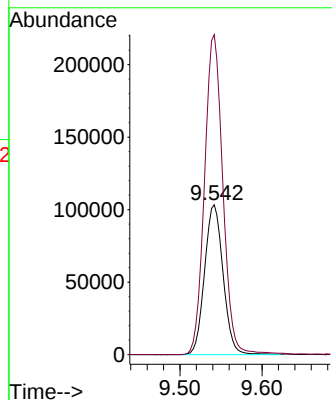
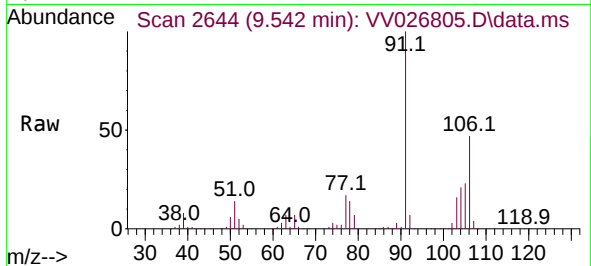




#54
o-Xylene
Concen: 5.432 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

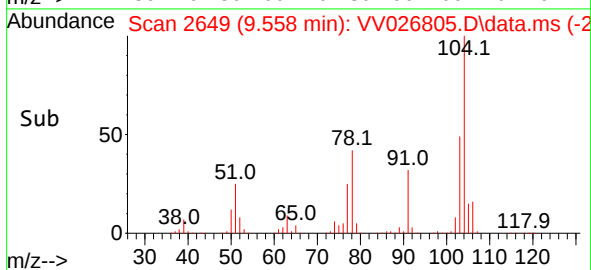
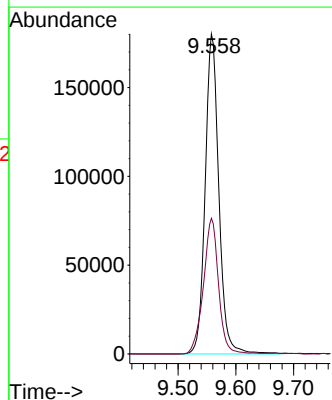
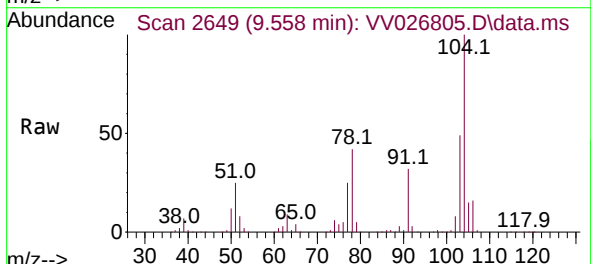
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

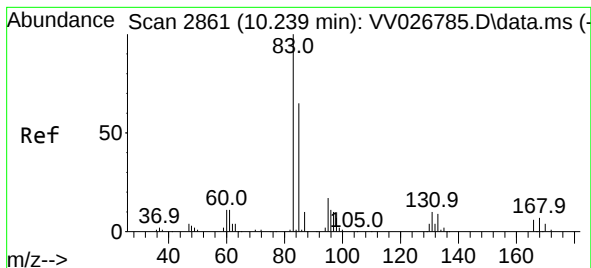
Tgt Ion:106 Resp: 162635
Ion Ratio Lower Upper
106 100
91 213.4 151.1 280.7



#55
Styrene
Concen: 5.649 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion:104 Resp: 296369
Ion Ratio Lower Upper
104 100
78 42.4 29.5 54.9

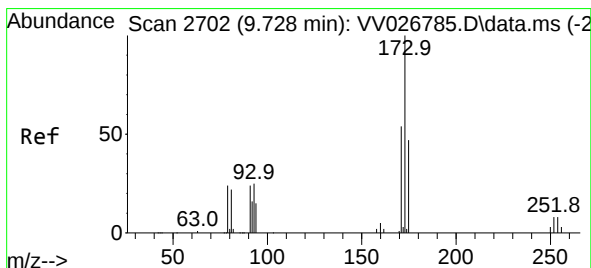
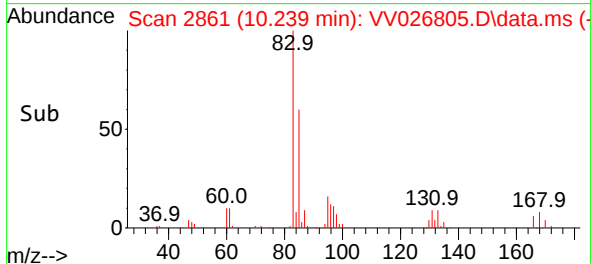
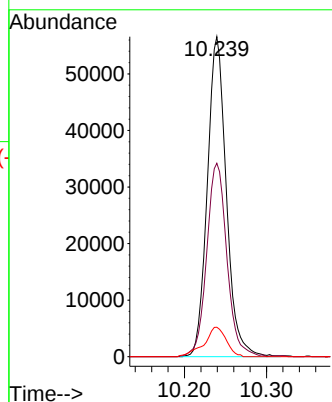
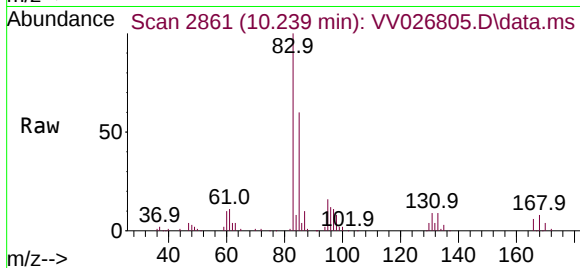




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.430 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV026805.D
 Acq: 18 Jul 2022 10:07

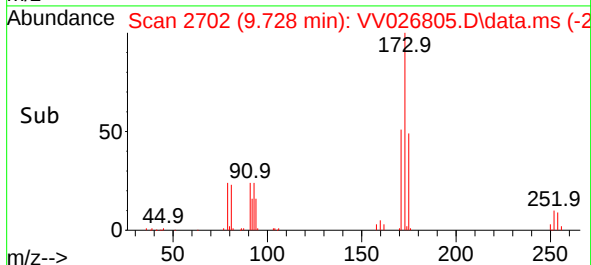
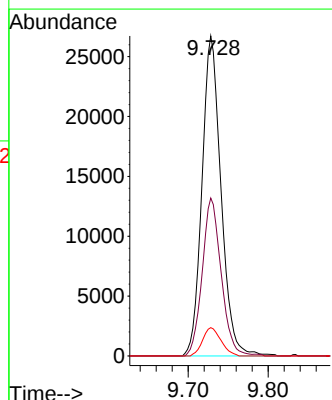
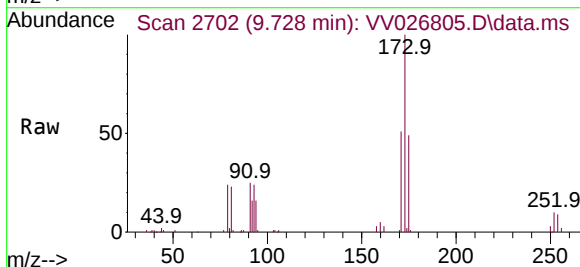
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005357

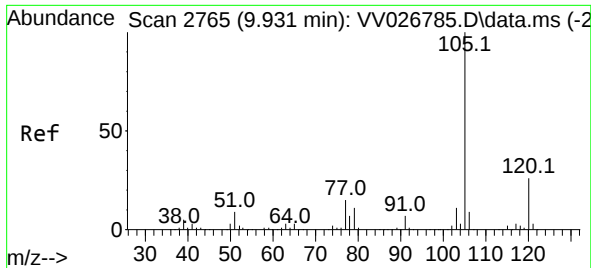
Tgt Ion: 83 Resp: 91060
 Ion Ratio Lower Upper
 83 100
 85 60.5 43.6 81.0
 131 9.2 7.4 11.2



#59
 Bromoform
 Concen: 5.366 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV026805.D
 Acq: 18 Jul 2022 10:07

Tgt Ion: 173 Resp: 44392
 Ion Ratio Lower Upper
 173 100
 175 49.1 40.7 61.1
 254 8.5 6.5 9.7

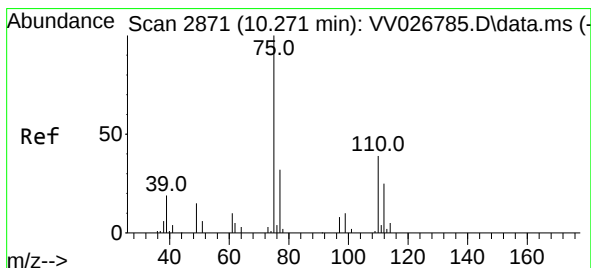
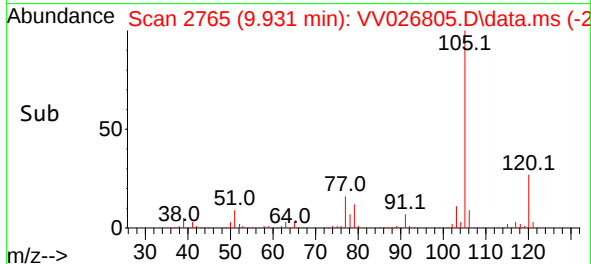
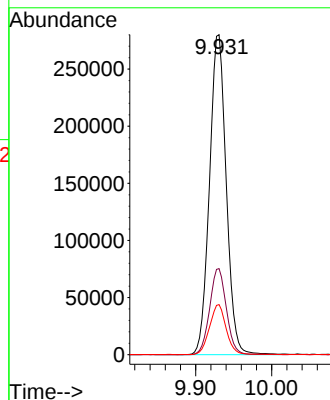
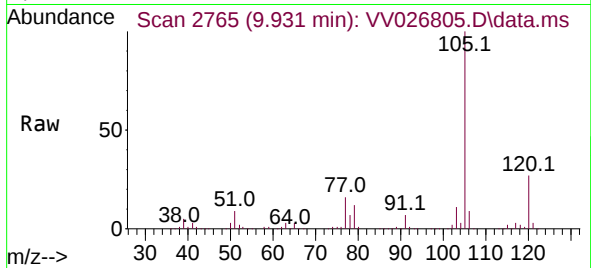




#60
Isopropylbenzene
Concen: 5.332 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

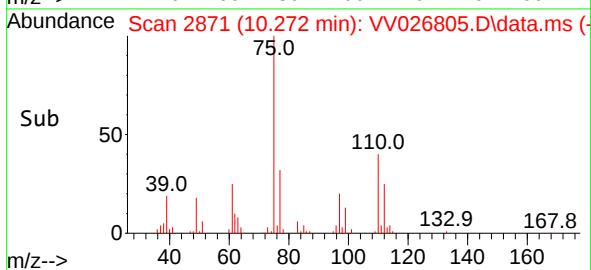
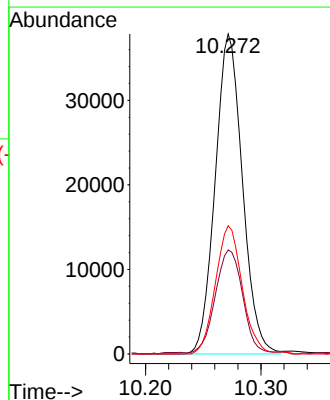
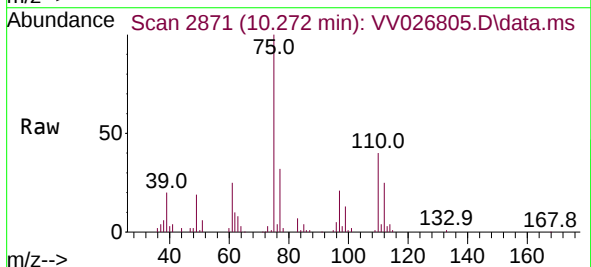
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

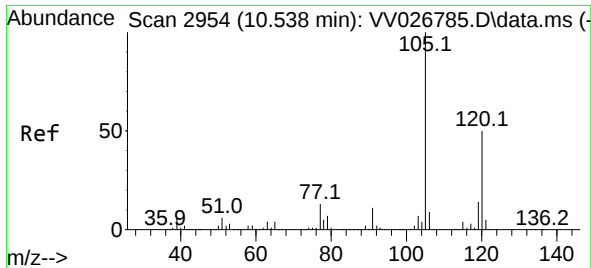
Tgt Ion:105 Resp: 428823
Ion Ratio Lower Upper
105 100
120 26.9 20.7 31.1
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.212 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 75 Resp: 61982
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0
110 39.5 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.033 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

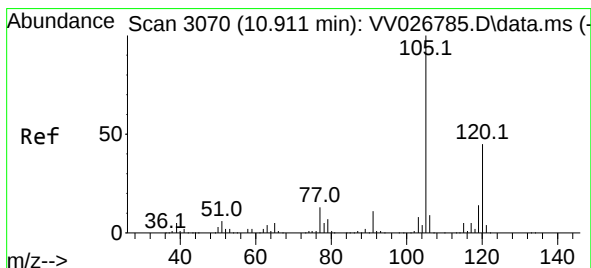
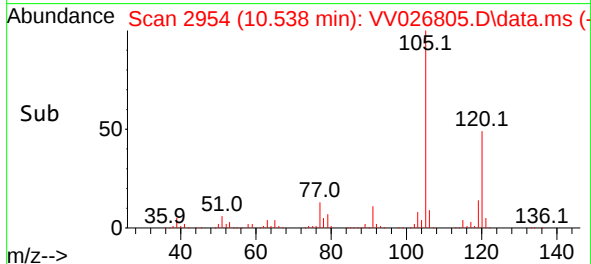
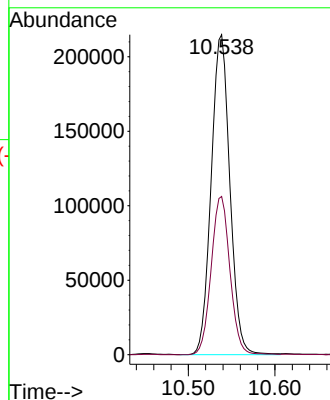
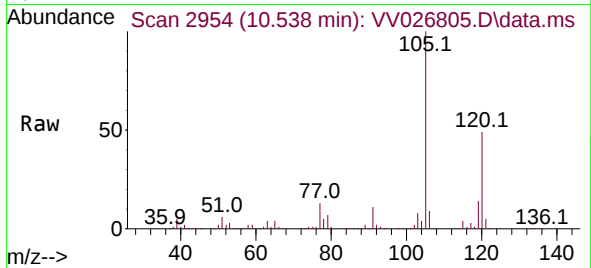
VSTD005357

Tgt Ion:105 Resp: 322032

Ion Ratio Lower Upper

105 100

120 49.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 5.185 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV026805.D

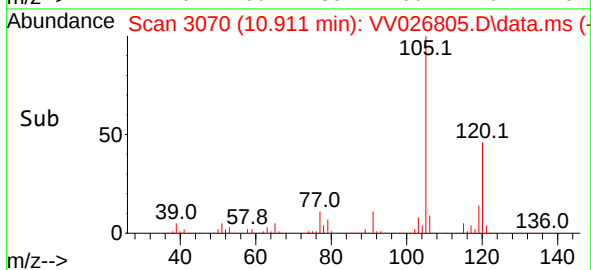
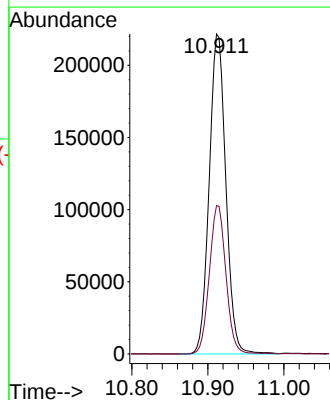
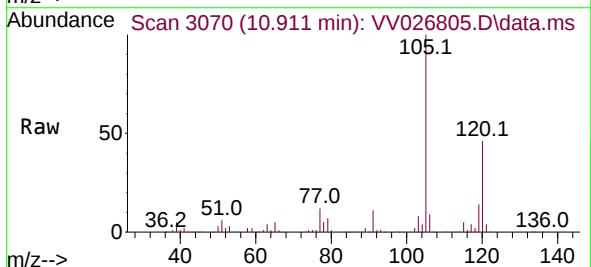
Acq: 18 Jul 2022 10:07

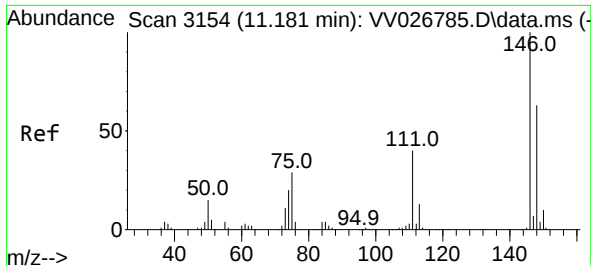
Tgt Ion:105 Resp: 336874

Ion Ratio Lower Upper

105 100

120 46.3 36.8 55.2

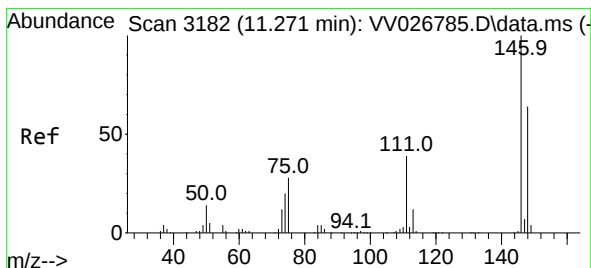
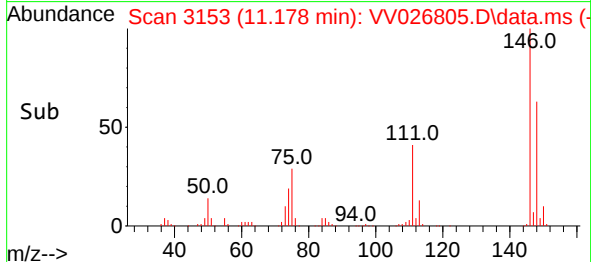
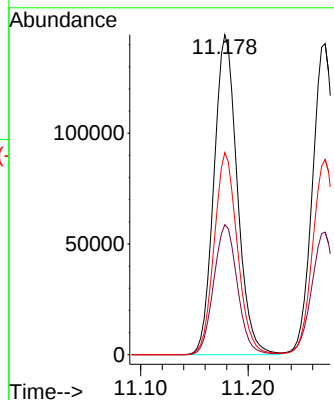
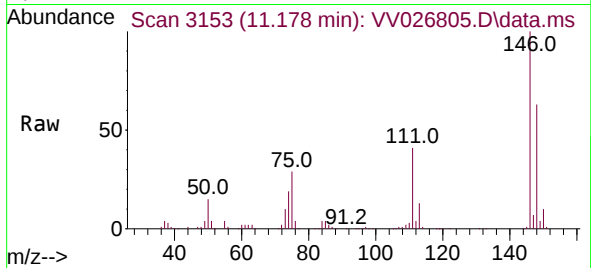




#64
1,3-Dichlorobenzene
Concen: 5.541 ug/L
RT: 11.178 min Scan# 3154
Delta R.T. -0.003 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

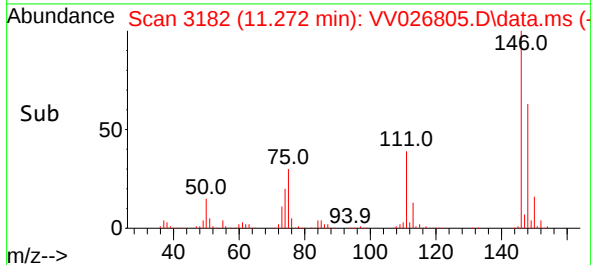
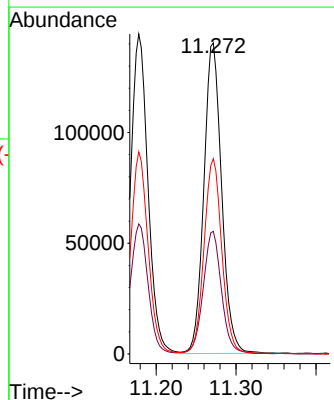
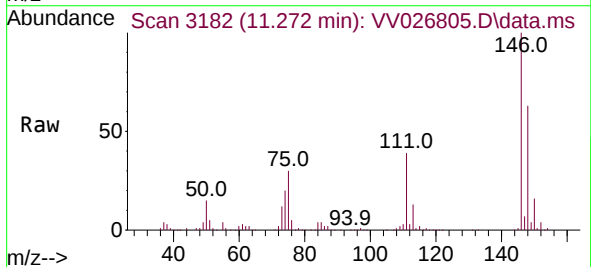
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

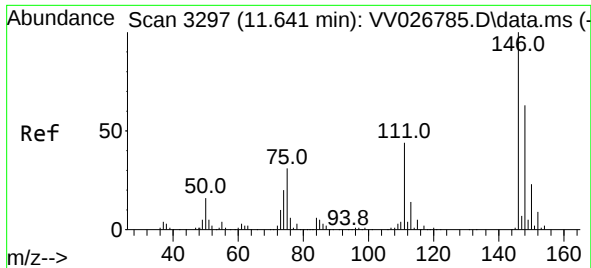
Tgt Ion:146 Resp: 218355
Ion Ratio Lower Upper
146 100
111 40.6 27.9 51.7
148 63.2 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.430 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion:146 Resp: 217575
Ion Ratio Lower Upper
146 100
111 39.4 26.8 49.8
148 62.8 43.3 80.5

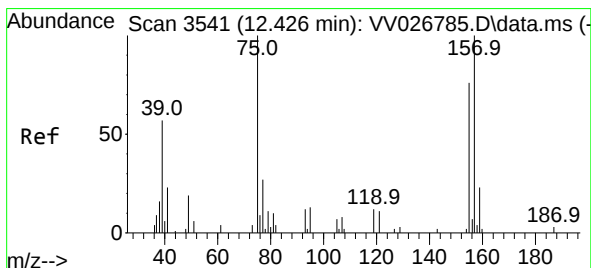
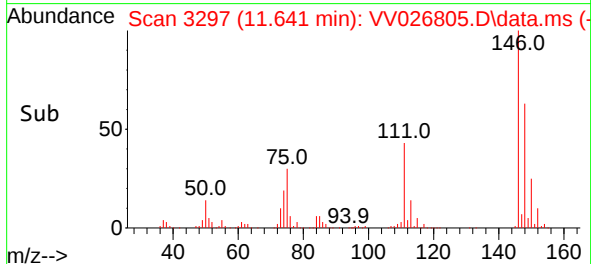
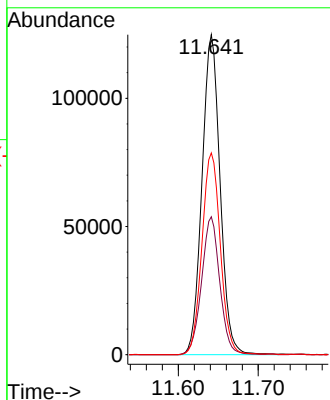
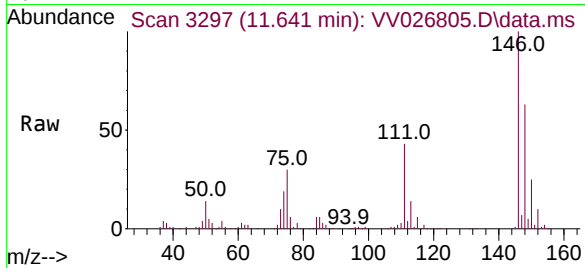




#67
1,2-Dichlorobenzene
Concen: 5.352 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

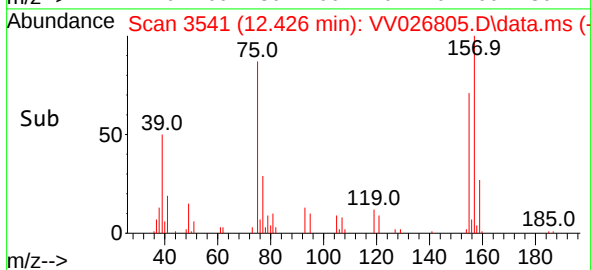
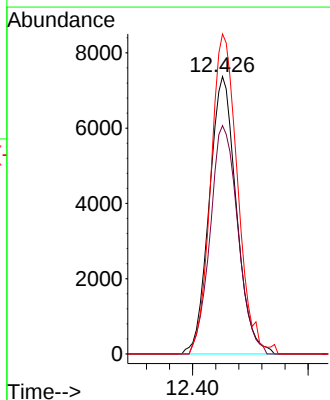
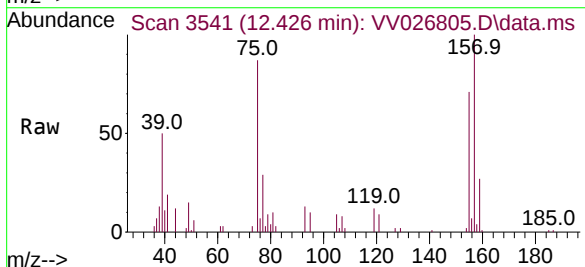
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

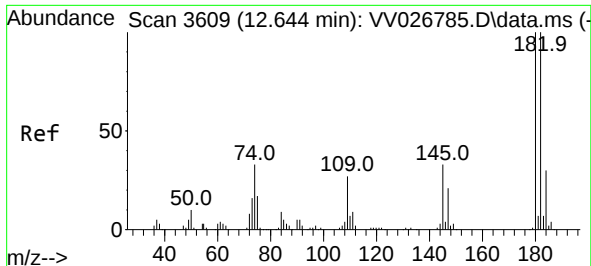
Tgt Ion:146 Resp: 196935
Ion Ratio Lower Upper
146 100
111 43.1 34.6 52.0
148 63.1 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.754 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. 0.000 min
Lab File: VV026805.D
Acq: 18 Jul 2022 10:07

Tgt Ion: 75 Resp: 11985
Ion Ratio Lower Upper
75 100
155 82.3 60.3 90.5
157 115.4 78.2 117.4





#69

1,3,5-Trichlorobenzene

Concen: 5.227 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV026805.D

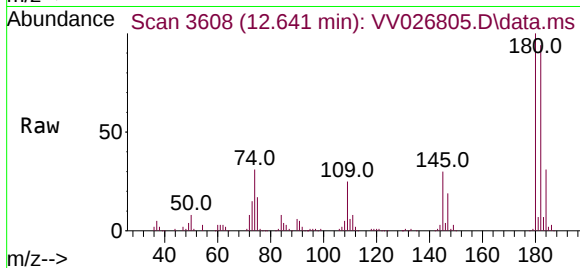
Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357



Tgt Ion:180 Resp: 145588

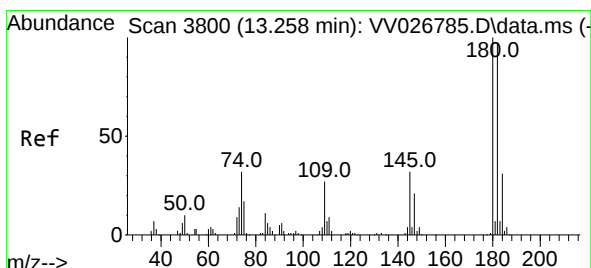
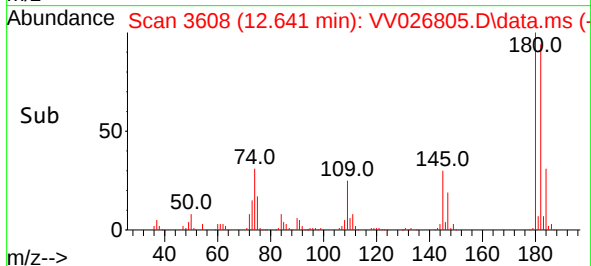
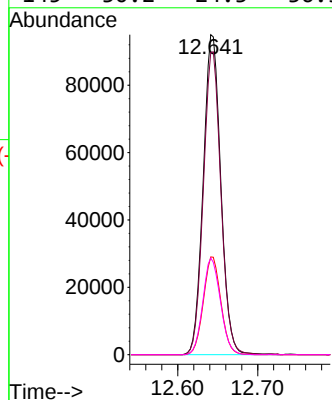
Ion Ratio Lower Upper

180 100

182 94.3 74.0 111.0

184 30.4 23.1 34.7

145 30.2 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 4.956 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

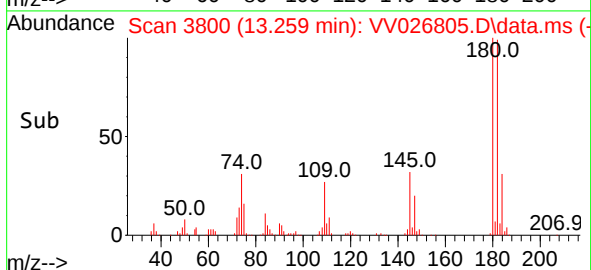
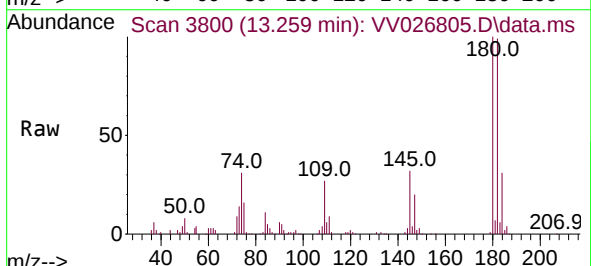
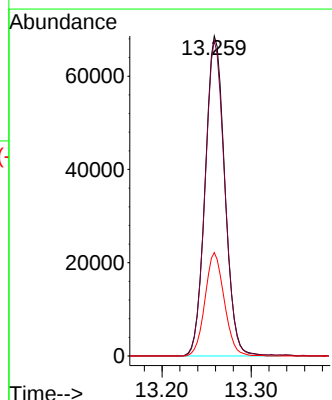
Tgt Ion:180 Resp: 104984

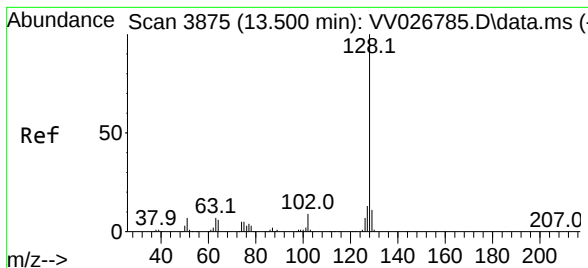
Ion Ratio Lower Upper

180 100

182 98.1 74.7 112.1

145 31.7 24.7 37.1





#71

Naphthalene

Concen: 4.531 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

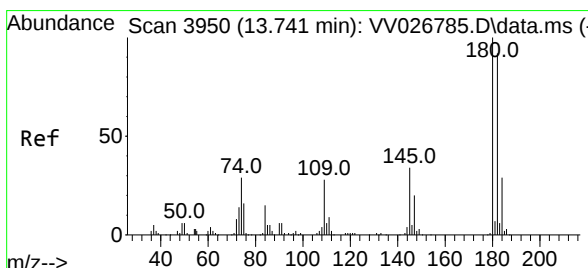
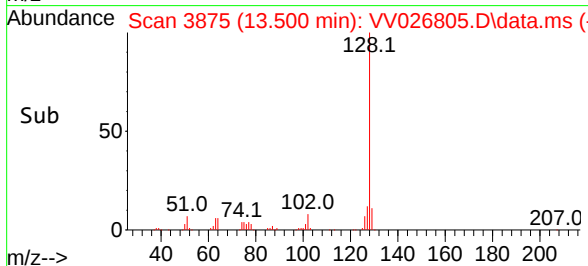
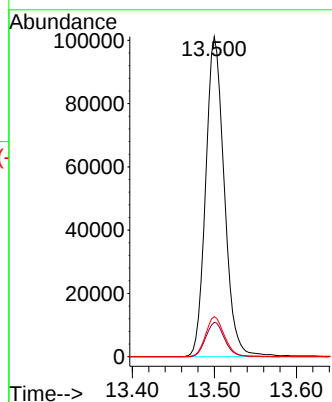
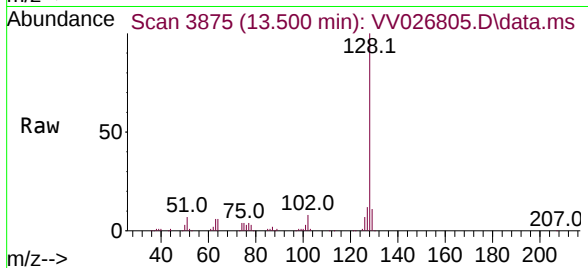
Tgt Ion:128 Resp: 158992

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

127 12.6 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 4.937 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV026805.D

Acq: 18 Jul 2022 10:07

Tgt Ion:180 Resp: 97298

Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.4

145 33.1 26.0 39.0

