

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120822\
 Data File : VU052287.D
 Acq On : 09 Dec 2022 07:04
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005099

Quant Time: Dec 09 07:22:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	227074	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233899	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	127265	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	87394	3.957	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.916	69	78132	4.554	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.568	65	35010	4.422	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.639	46	276798	69.136	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.280%#
24) Chloroform-d	5.063	84	175458	5.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	5.700	65	88399	5.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	5.726	84	343912	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.687	67	114105	5.310	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.200%
41) Toluene-d8	7.896	98	305188	4.858	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	8.176	79	37377	4.773	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.632	63	214750	64.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.420%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	110078	5.908	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	118148	4.849	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	92319	4.688	ug/L	99
3) Chloromethane	1.523	50	126701	4.929	ug/L	100
5) Vinyl chloride	1.607	62	123261	4.991	ug/L	98
6) Bromomethane	1.861	94	46999	3.709	ug/L	100
8) Chloroethane	1.938	64	77285	5.033	ug/L	96
9) Trichlorofluoromethane	2.141	101	132390	4.873	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	82120	4.944	ug/L	98
12) 1,1-Dichloroethene	2.581	96	86626	5.259	ug/L	91
13) Acetone	2.662	43	169208	62.238	ug/L	99
14) Carbon disulfide	2.797	76	280748	4.923	ug/L	98
15) Methyl Acetate	2.961	43	43179	6.123	ug/L	97
16) Methylene chloride	3.047	84	107929	4.843	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	191124	5.183	ug/L	100
18) trans-1,2-Dichloroethene	3.356	96	91666	5.191	ug/L	97
19) 1,1-Dichloroethane	3.867	63	172487	5.420	ug/L	99
21) 2-Butanone	4.719	43	280667	64.410	ug/L	97
22) cis-1,2-Dichloroethene	4.668	96	108016	5.829	ug/L	99
23) Bromochloromethane	4.973	128	50430	5.688	ug/L	97
25) Chloroform	5.086	83	172817	5.359	ug/L	96

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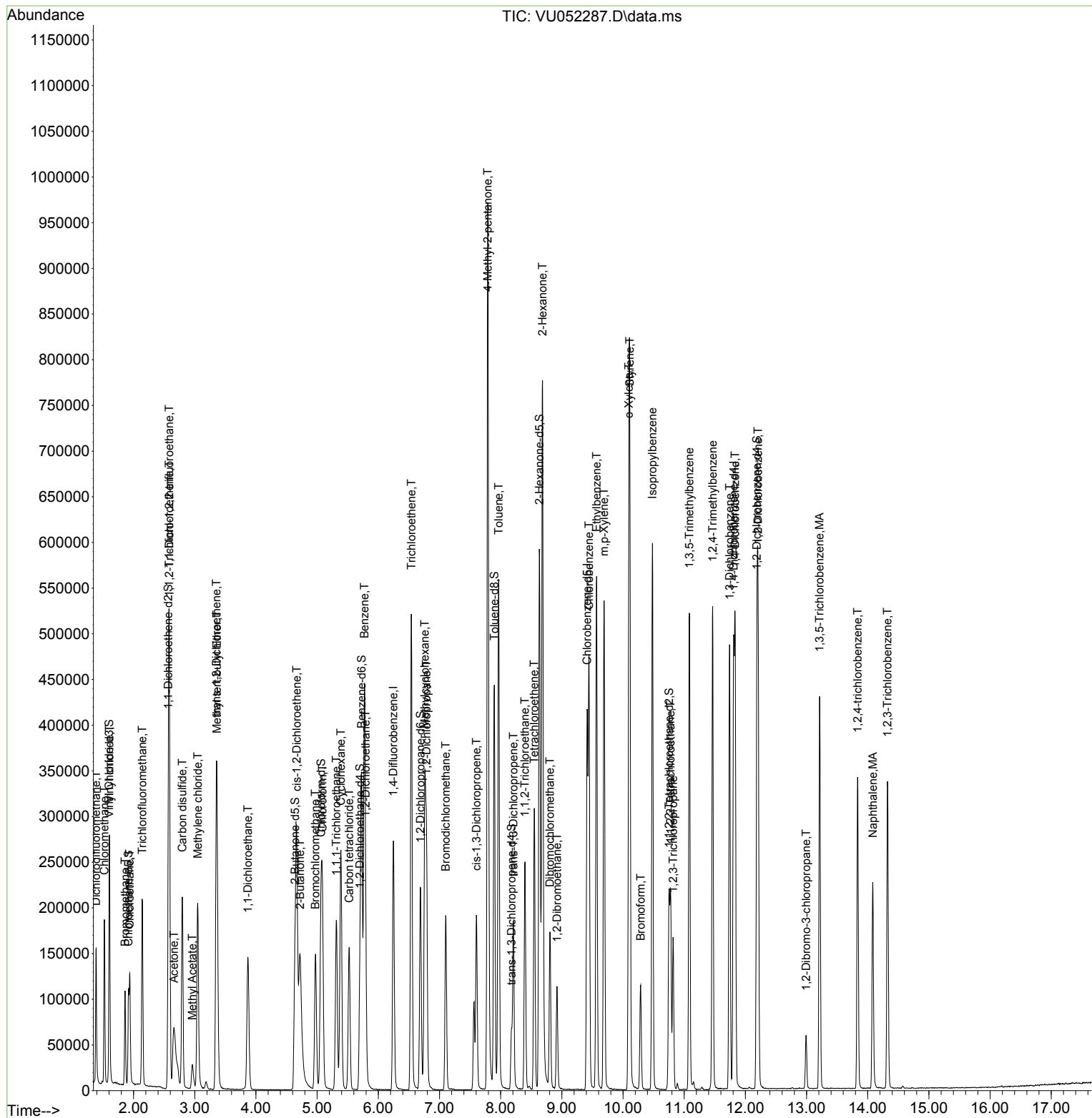
Instrument :
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 ClientSampleId :
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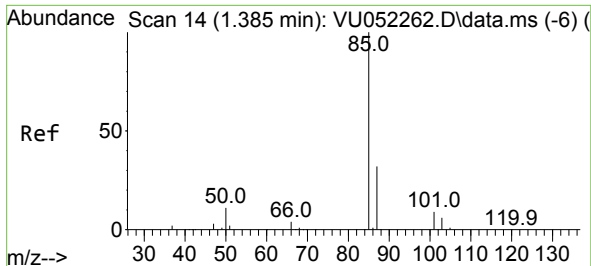
Quant Time: Dec 09 07:22:12 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	109736	5.556	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	133009	5.125	ug/L	100
30) Cyclohexane	5.388	56	119409	4.739	ug/L	99
31) Carbon tetrachloride	5.523	117	109836	4.981	ug/L	99
33) Benzene	5.774	78	401080	5.269	ug/L	100
34) Trichloroethene	6.539	95	182966	9.637	ug/L	97
35) Methylcyclohexane	6.761	83	121960	4.465	ug/L	98
37) 1,2-Dichloropropane	6.787	63	106749	5.416	ug/L	99
38) Bromodichloromethane	7.102	83	128559	5.350	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	119861	4.737	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	628542	61.052	ug/L	100
42) Toluene	7.967	91	426149	5.442	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	106405	4.910	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	80944	5.465	ug/L	97
47) Tetrachloroethene	8.549	164	72346	4.972	ug/L	98
48) 2-Hexanone	8.684	43	486146	64.411	ug/L	99
49) Dibromochloromethane	8.806	129	90196	5.437	ug/L	95
50) 1,2-Dibromoethane	8.922	107	75862	5.623	ug/L	98
51) Chlorobenzene	9.443	112	260111	5.210	ug/L	99
52) Ethylbenzene	9.568	91	389459	5.116	ug/L	100
53) m,p-Xylene	9.690	106	157044	5.328	ug/L	97
54) o-Xylene	10.095	106	149915	5.306	ug/L	97
55) Styrene	10.111	104	266140	5.577	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	108060	5.842	ug/L	98
59) Bromoform	10.288	173	53462	5.100	ug/L	98
60) Isopropylbenzene	10.481	105	377016	4.716	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	74261	5.098	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	279636	4.376	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	286168	4.511	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	204009	4.998	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	204855	5.032	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	197512	5.025	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	15634	4.905	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	135696	4.688	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	106399	4.827	ug/L	100
71) Naphthalene	14.082	128	188161	4.547	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	109444	5.047	ug/L	99

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

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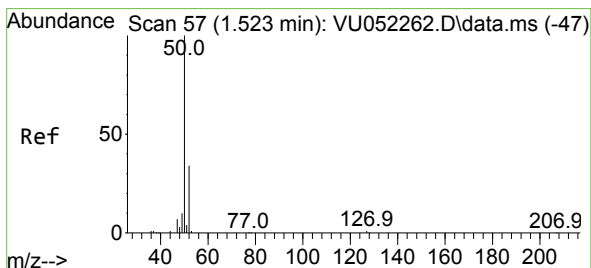
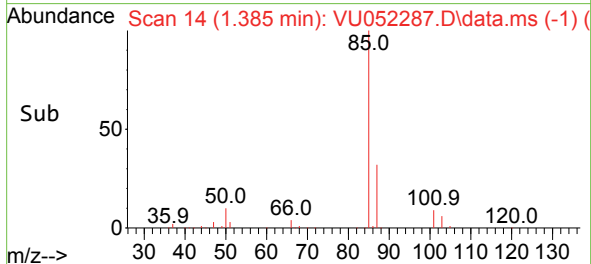
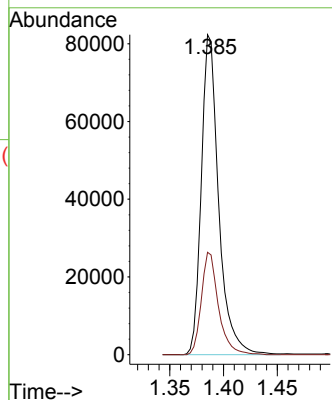
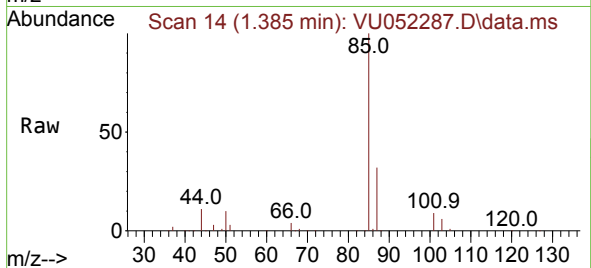




#2
Dichlorodifluoromethane
Concen: 4.688 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

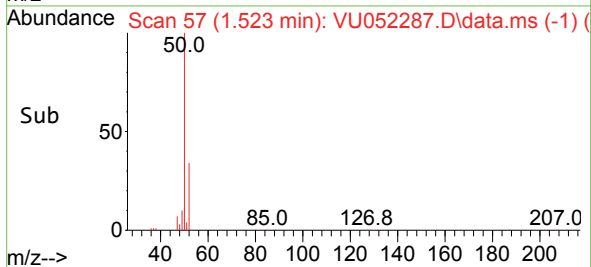
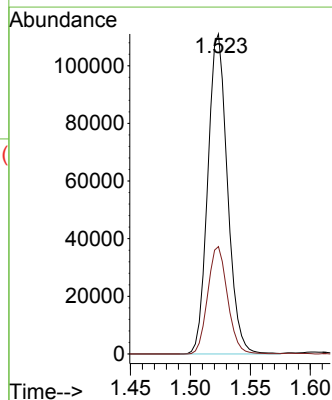
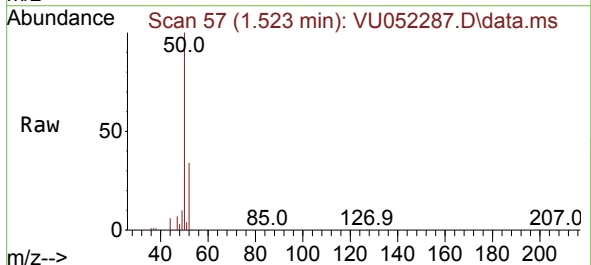
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

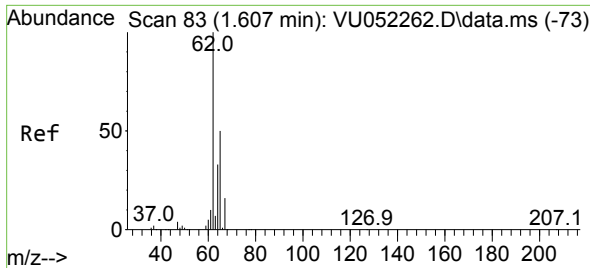
Tgt Ion: 85 Resp: 92319
Ion Ratio Lower Upper
85 100
87 31.5 25.8 38.8



#3
Chloromethane
Concen: 4.929 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 50 Resp: 126701
Ion Ratio Lower Upper
50 100
52 33.6 23.4 43.4

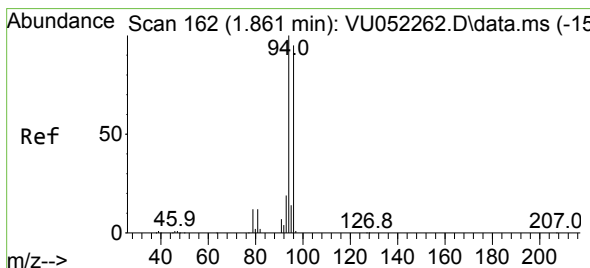
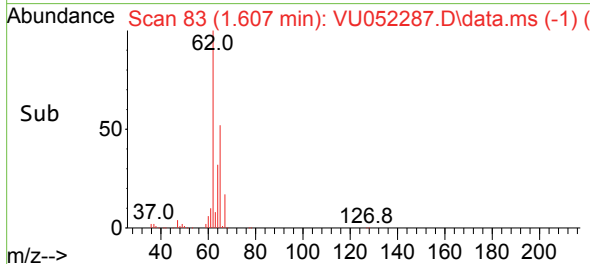
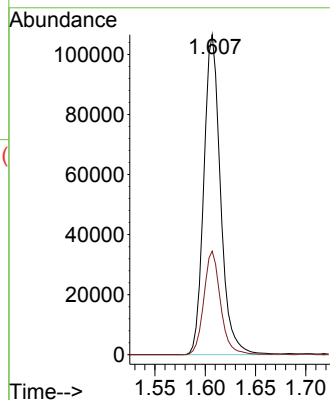
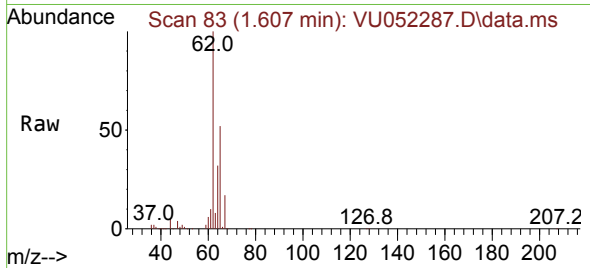




#5
 Vinyl chloride
 Concen: 4.991 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.003 min
 Lab File: VU052287.D
 Acq: 09 Dec 2022 07:04

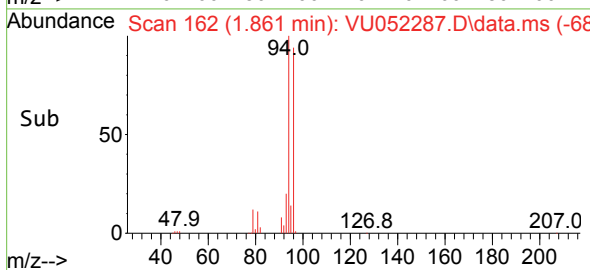
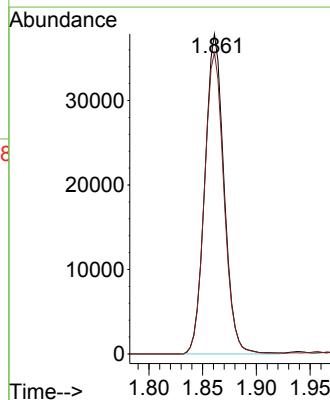
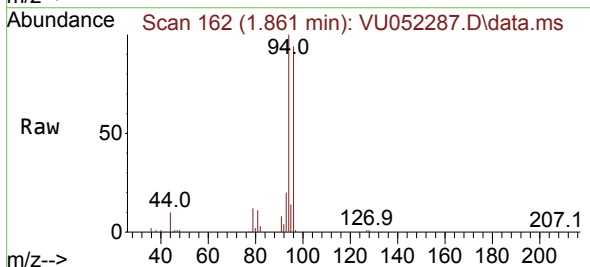
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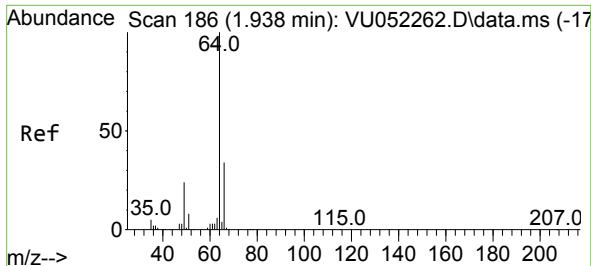
Tgt Ion: 62 Resp: 123261
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.5 43.7



#6
 Bromomethane
 Concen: 3.709 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052287.D
 Acq: 09 Dec 2022 07:04

Tgt Ion: 94 Resp: 46999
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.7 122.1

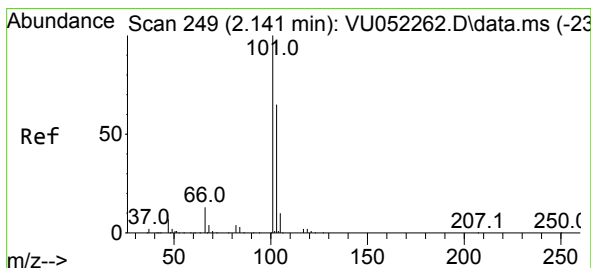
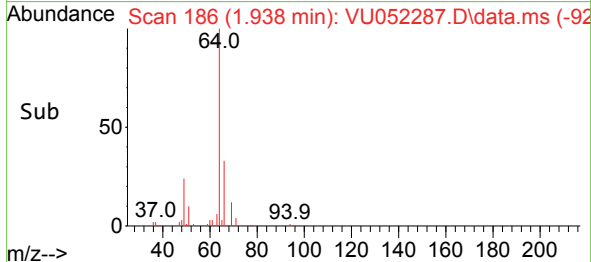
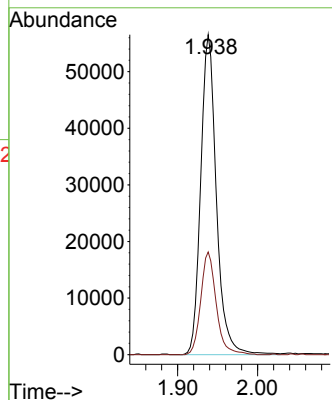
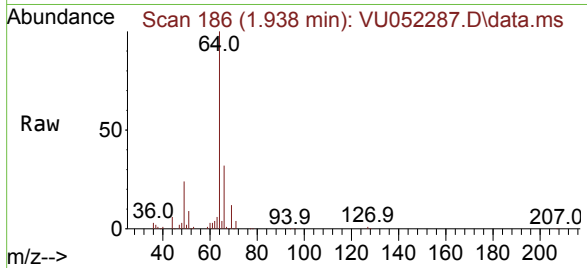




#8
Chloroethane
Concen: 5.033 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

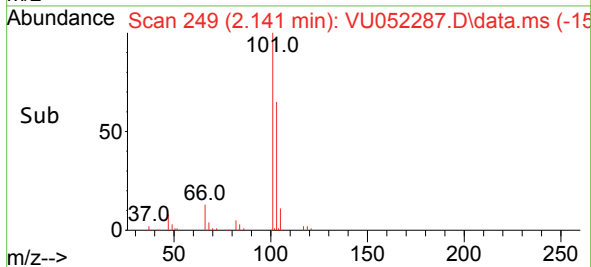
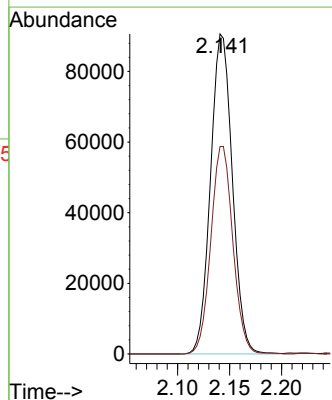
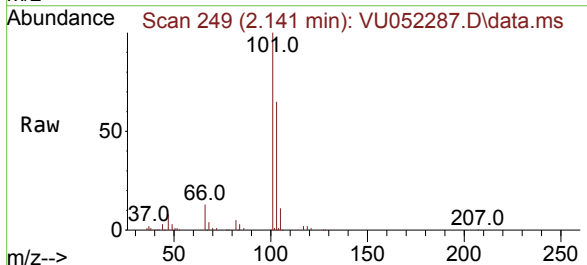
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ClientSampleId :
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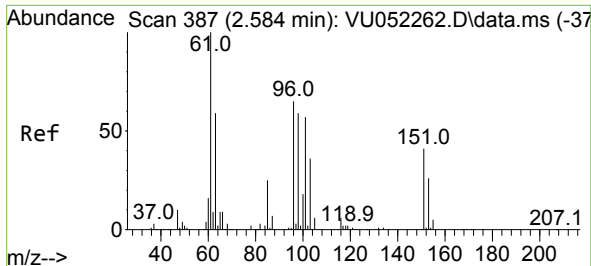
Tgt Ion: 64 Resp: 77285
Ion Ratio Lower Upper
64 100
66 32.1 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.873 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:101 Resp: 132390
Ion Ratio Lower Upper
101 100
103 65.5 51.6 77.4

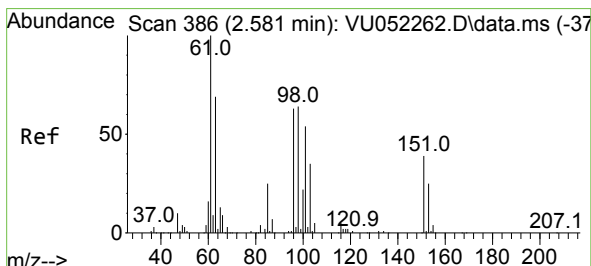
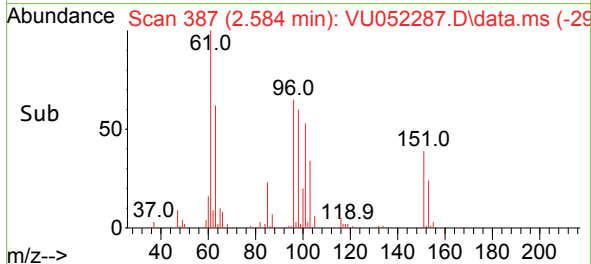
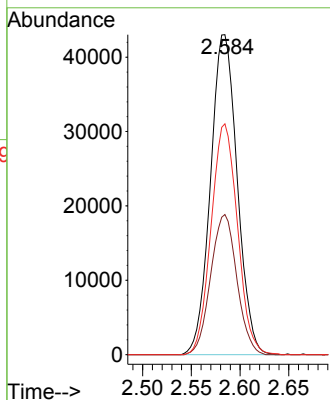
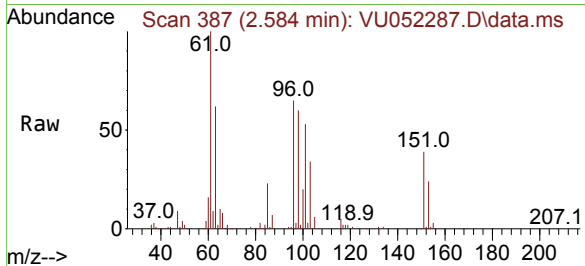




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.944 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

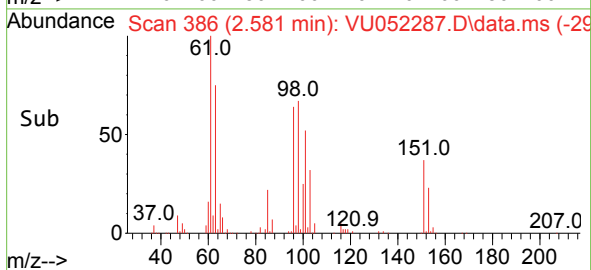
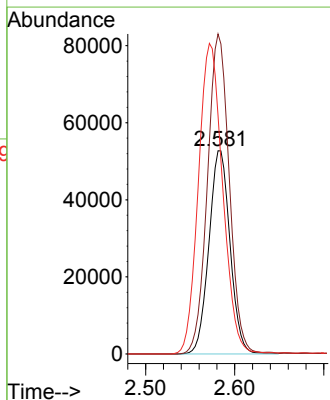
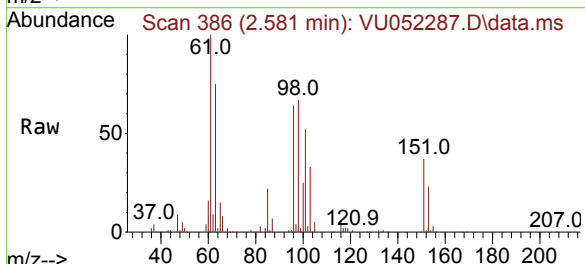
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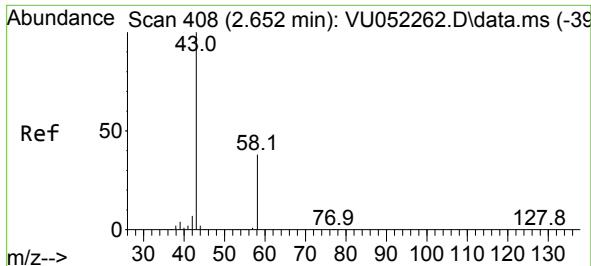
Tgt Ion:101 Resp: 82120
Ion Ratio Lower Upper
101 100
85 42.8 33.8 50.6
151 71.2 58.6 88.0



#12
1,1-Dichloroethene
Concen: 5.259 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 96 Resp: 86626
Ion Ratio Lower Upper
96 100
61 157.4 114.8 213.2
63 117.3 93.7 174.1





#13

Acetone

Concen: 62.238 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.016 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

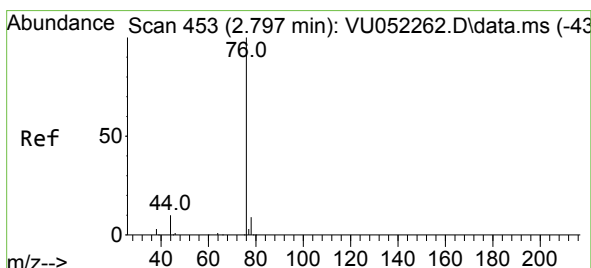
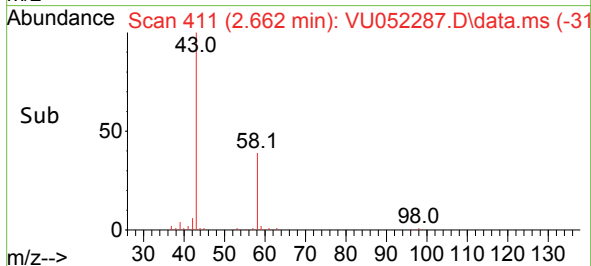
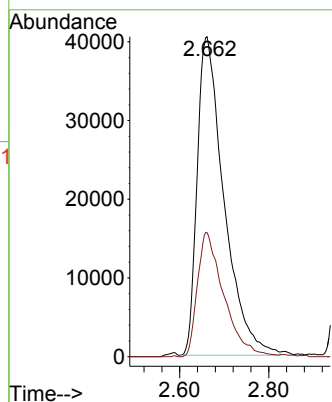
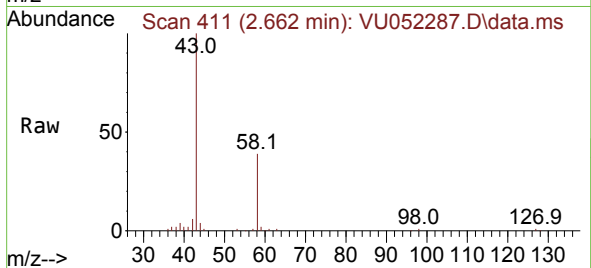
VSTD005099

Tgt Ion: 43 Resp: 169208

Ion Ratio Lower Upper

43 100

58 38.4 0.0 76.0



#14

Carbon disulfide

Concen: 4.923 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052287.D

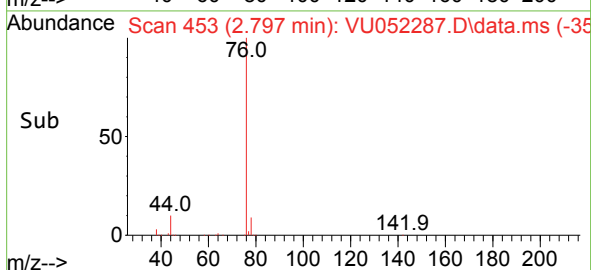
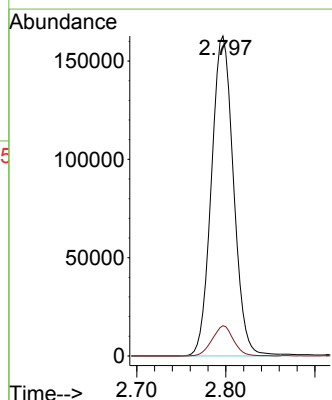
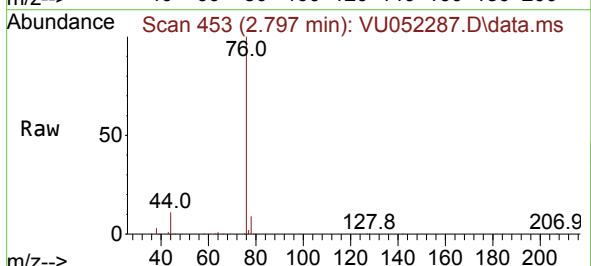
Acq: 09 Dec 2022 07:04

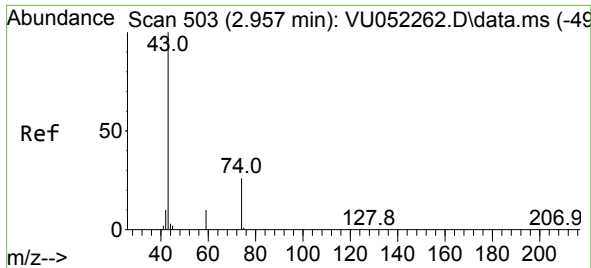
Tgt Ion: 76 Resp: 280748

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4

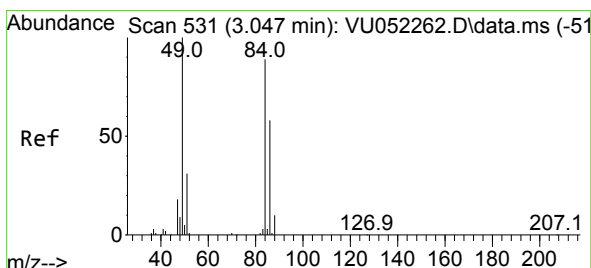
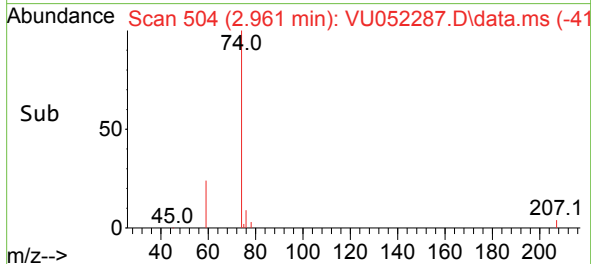
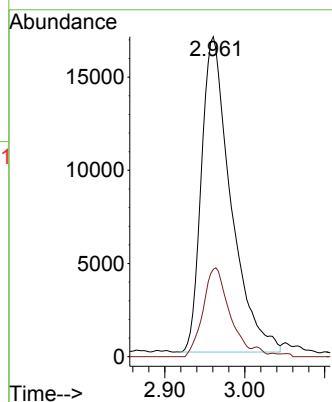
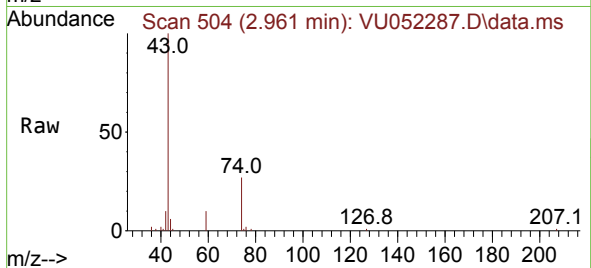




#15
Methyl Acetate
Concen: 6.123 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

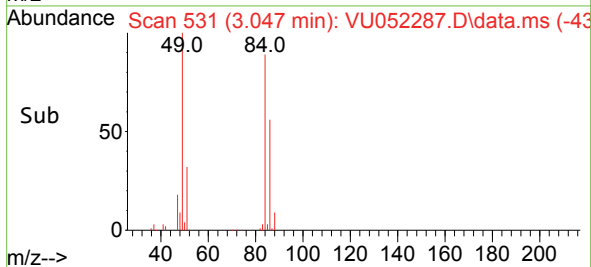
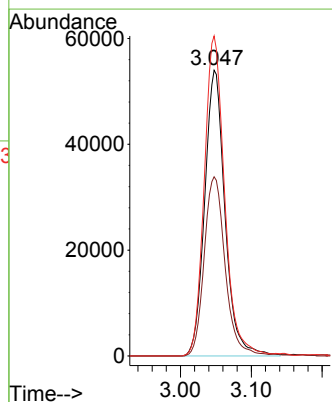
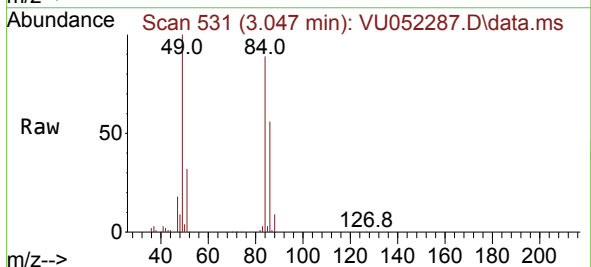
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

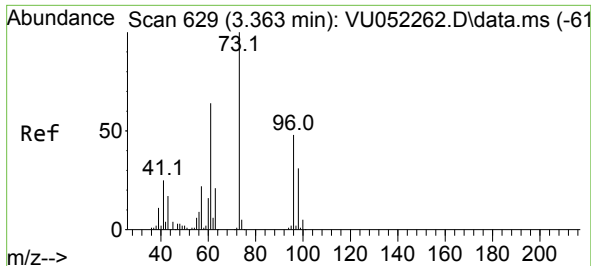
Tgt Ion: 43 Resp: 43179
Ion Ratio Lower Upper
43 100
74 25.2 21.3 31.9



#16
Methylene chloride
Concen: 4.843 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 84 Resp: 107929
Ion Ratio Lower Upper
84 100
86 62.7 43.8 81.4
49 112.0 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 5.183 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005099

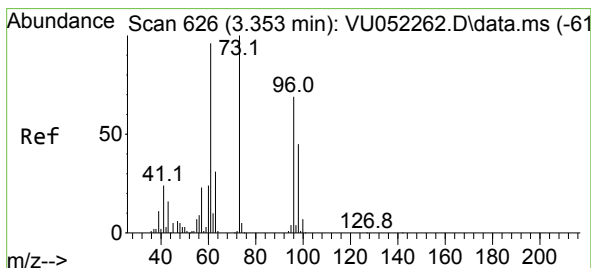
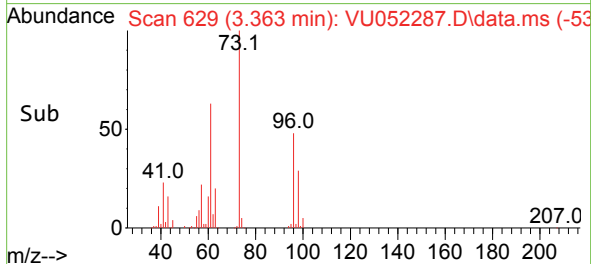
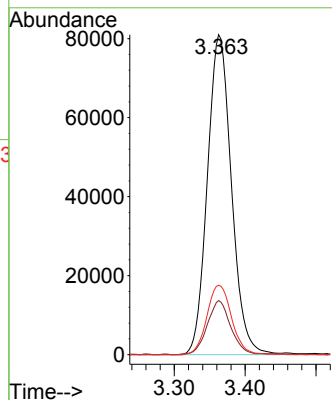
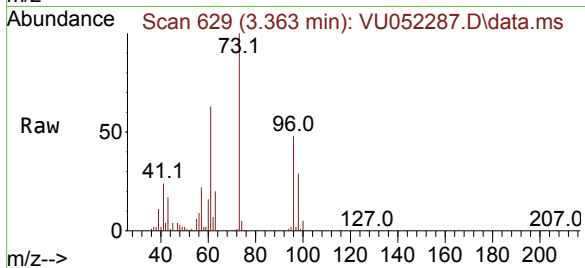
Tgt Ion: 73 Resp: 191124

Ion Ratio Lower Upper

73 100

43 16.5 13.2 19.8

57 22.3 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.191 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

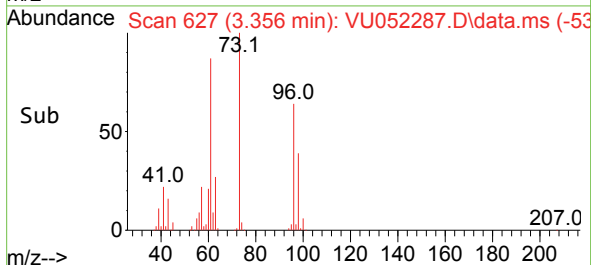
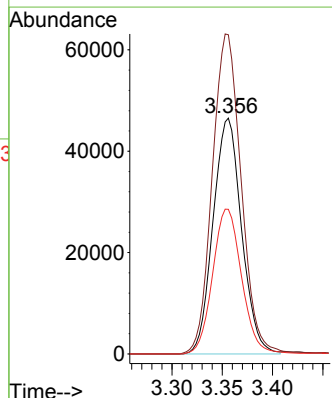
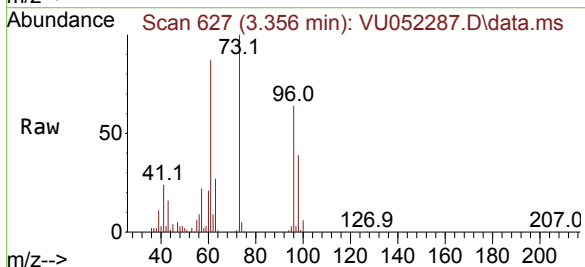
Tgt Ion: 96 Resp: 91666

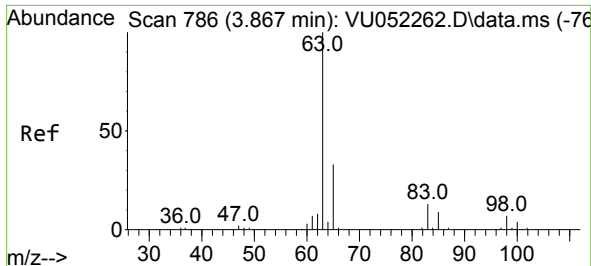
Ion Ratio Lower Upper

96 100

61 135.3 97.9 181.7

98 61.3 43.8 81.3

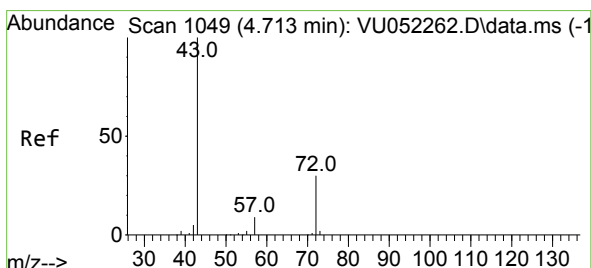
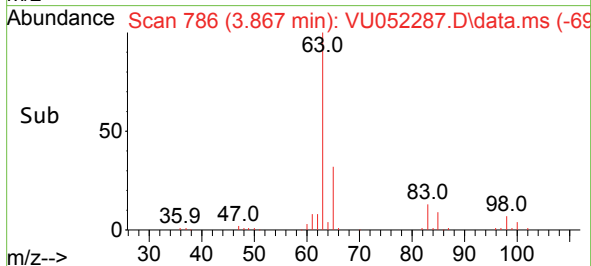
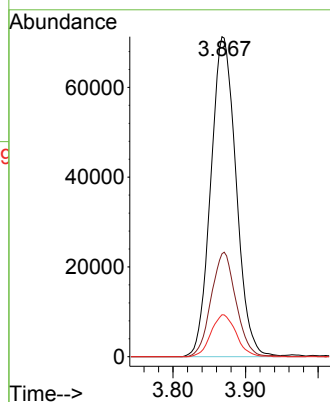
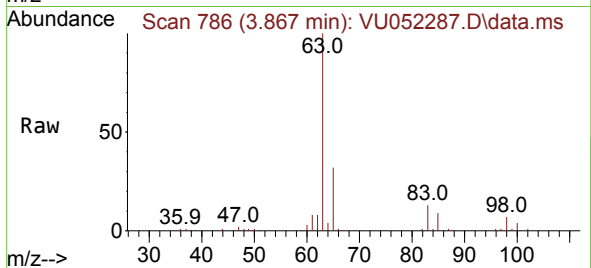




#19
1,1-Dichloroethane
Concen: 5.420 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

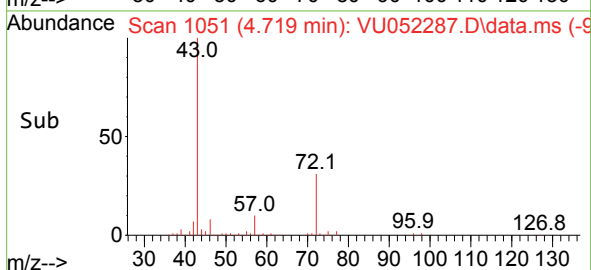
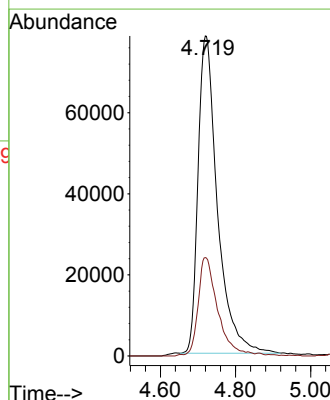
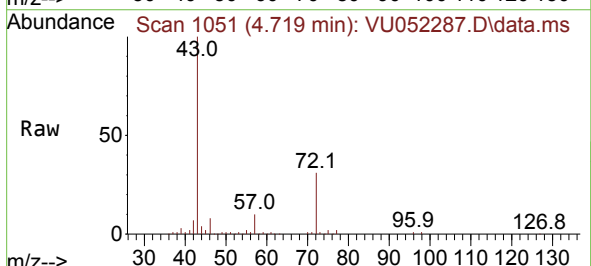
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

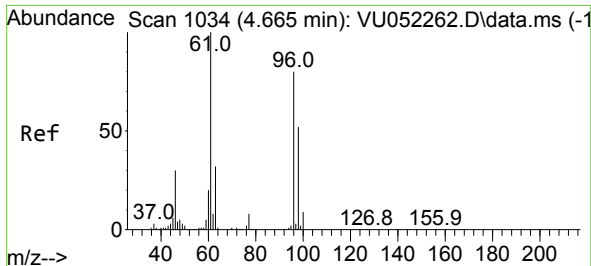
Tgt Ion: 63 Resp: 172487
Ion Ratio Lower Upper
63 100
65 32.1 22.2 41.2
83 13.1 9.2 17.0



#21
2-Butanone
Concen: 64.410 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 43 Resp: 280667
Ion Ratio Lower Upper
43 100
72 29.6 15.6 46.8

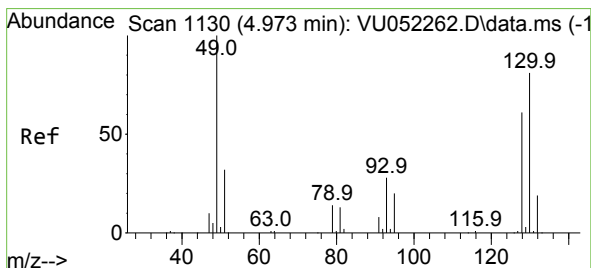
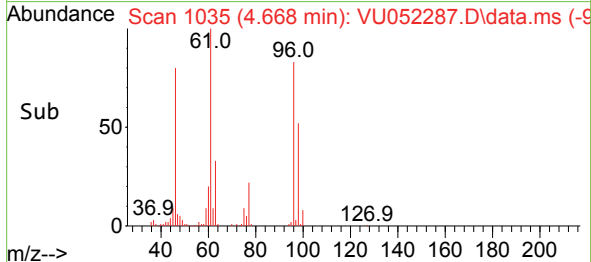
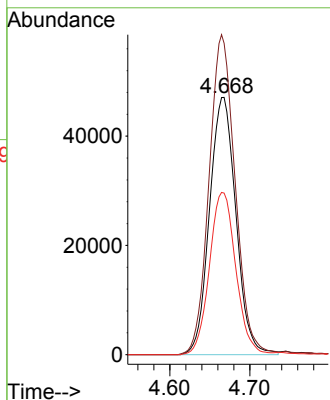
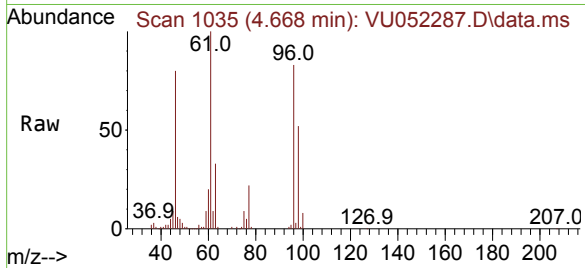




#22
 cis-1,2-Dichloroethene
 Concen: 5.829 ug/L
 RT: 4.668 min Scan# 1034
 Delta R.T. 0.003 min
 Lab File: VU052287.D
 Acq: 09 Dec 2022 07:04

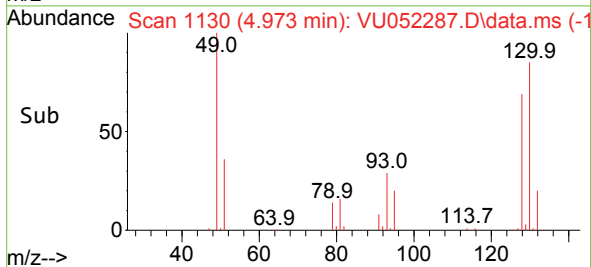
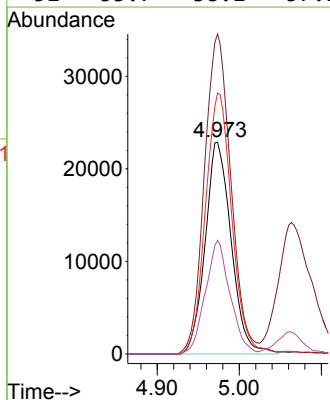
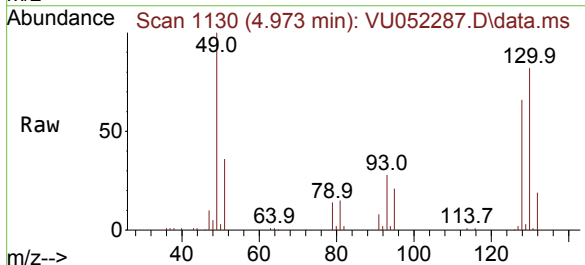
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005099

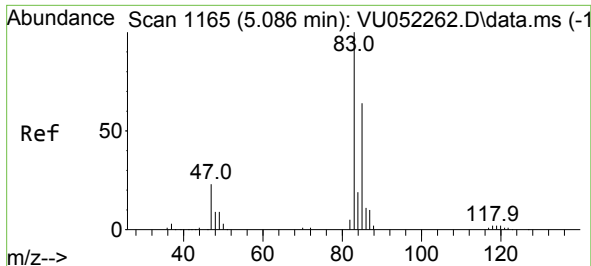
Tgt Ion: 96 Resp: 108016
 Ion Ratio Lower Upper
 96 100
 61 121.1 85.1 158.1
 98 62.8 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.688 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052287.D
 Acq: 09 Dec 2022 07:04

Tgt Ion: 128 Resp: 50430
 Ion Ratio Lower Upper
 128 100
 49 151.2 104.0 193.2
 130 123.3 84.6 157.2
 51 53.7 38.1 57.1

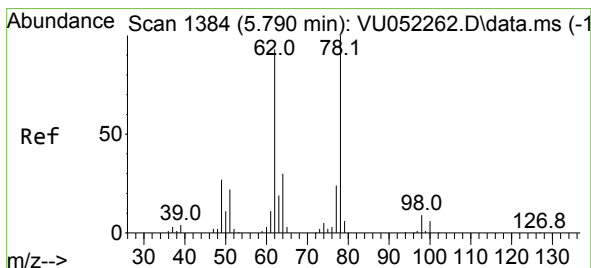
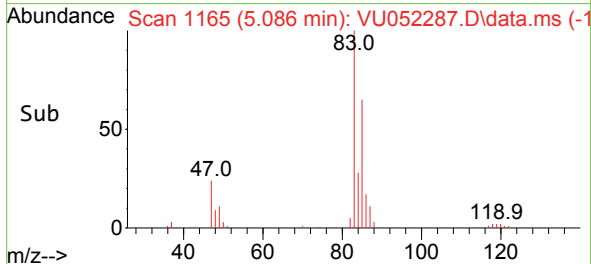
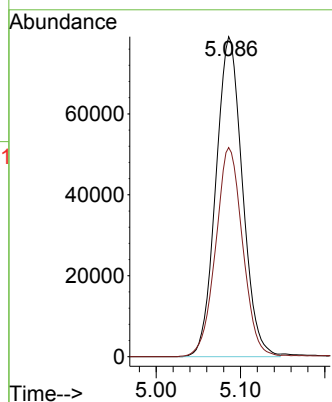
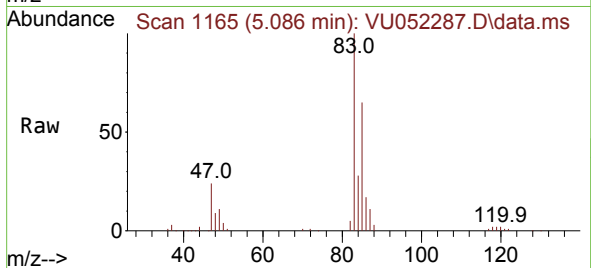




#25
Chloroform
Concen: 5.359 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

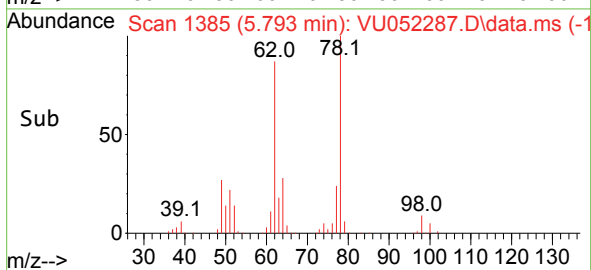
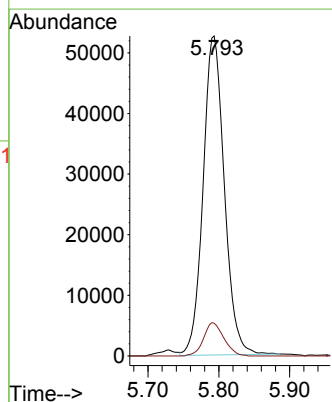
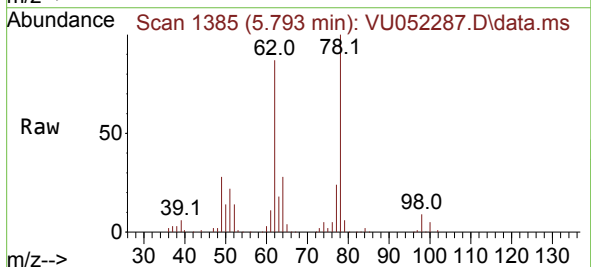
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

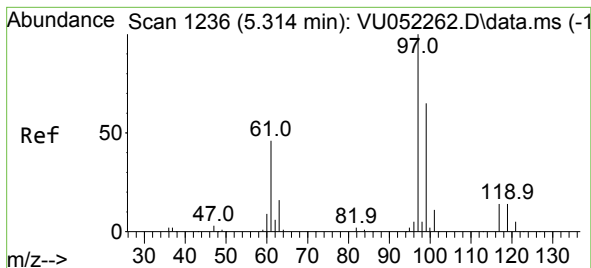
Tgt Ion: 83 Resp: 172817
Ion Ratio Lower Upper
83 100
85 65.4 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.556 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 62 Resp: 109736
Ion Ratio Lower Upper
62 100
98 10.3 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.125 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005099

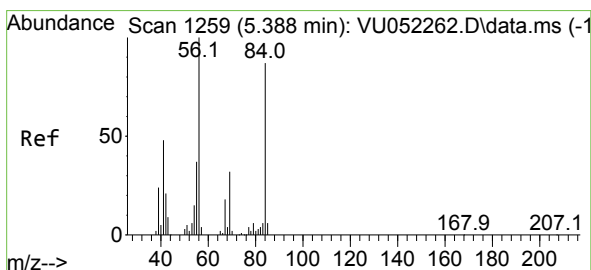
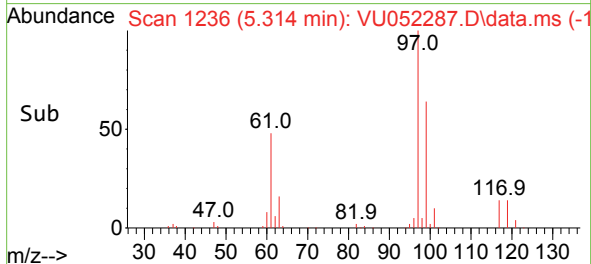
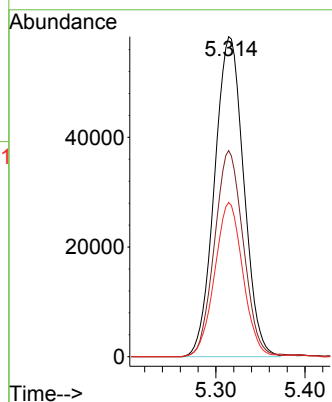
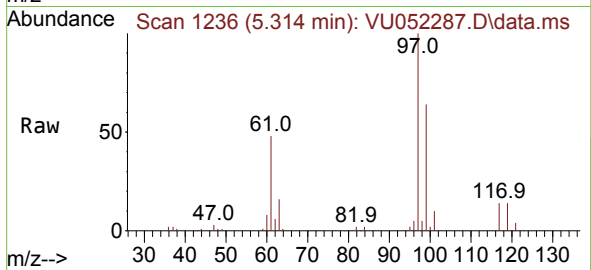
Tgt Ion: 97 Resp: 133009

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 46.7 36.9 55.3



#30

Cyclohexane

Concen: 4.739 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

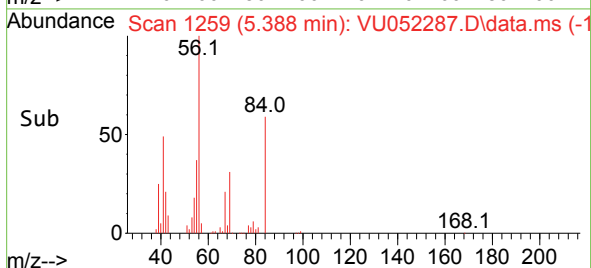
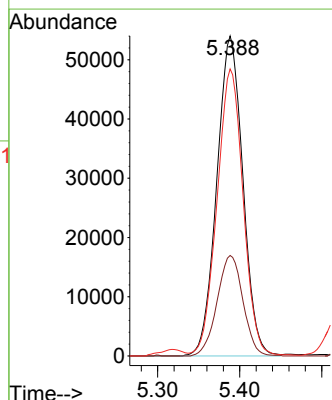
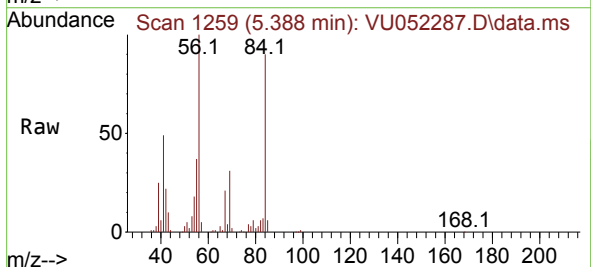
Tgt Ion: 56 Resp: 119409

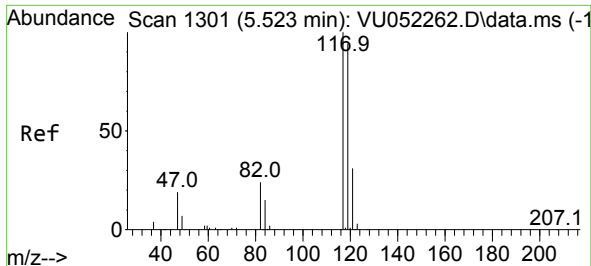
Ion Ratio Lower Upper

56 100

69 31.1 25.6 38.4

84 90.1 72.0 108.0

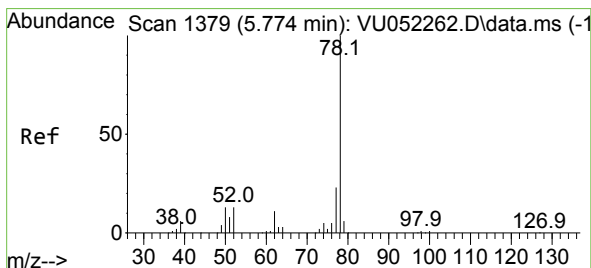
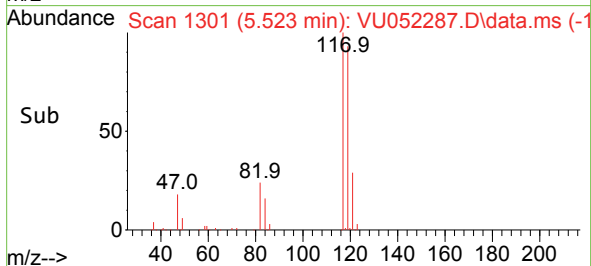
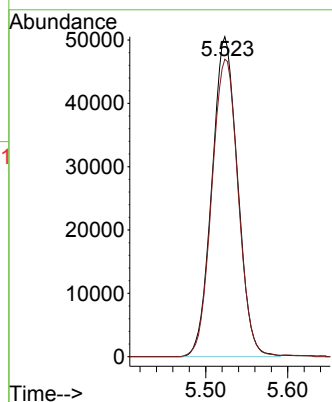
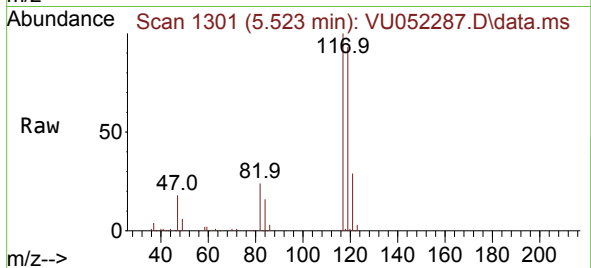




#31
Carbon tetrachloride
Concen: 4.981 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

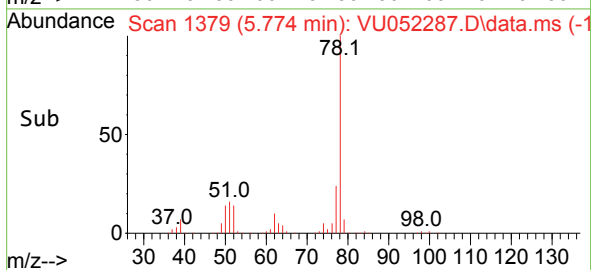
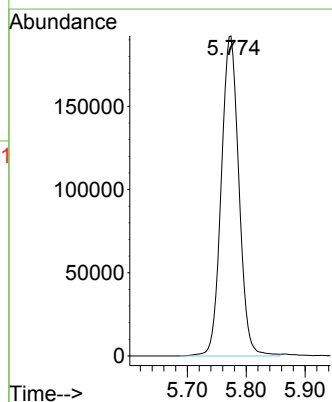
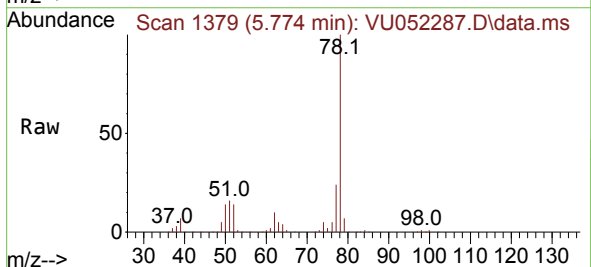
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

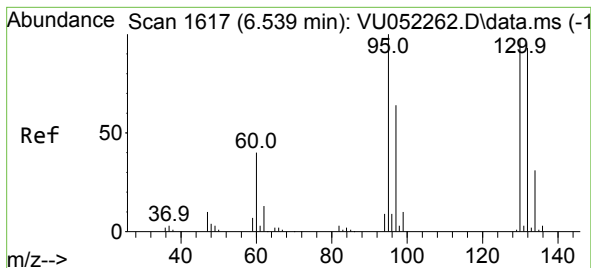
Tgt Ion:117 Resp: 109836
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8



#33
Benzene
Concen: 5.269 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 78 Resp: 401080





#34

Trichloroethene

Concen: 9.637 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005099

Tgt Ion: 95 Resp: 182966

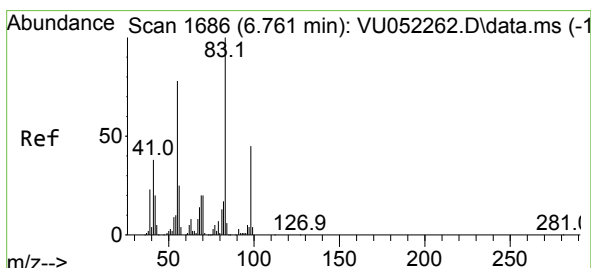
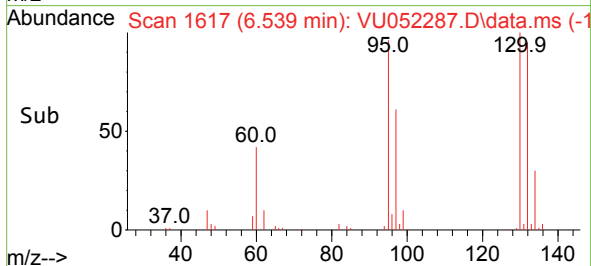
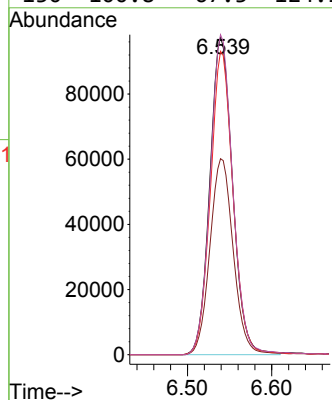
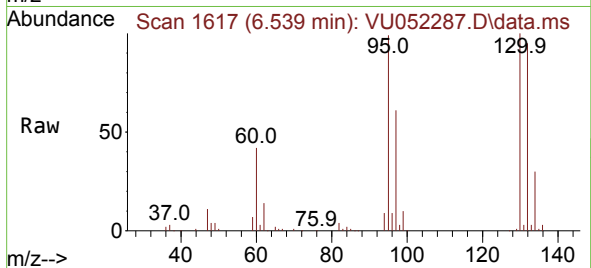
Ion Ratio Lower Upper

95 100

97 61.7 43.7 81.1

132 95.5 64.3 119.3

130 100.8 67.3 124.9



#35

Methylcyclohexane

Concen: 4.465 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

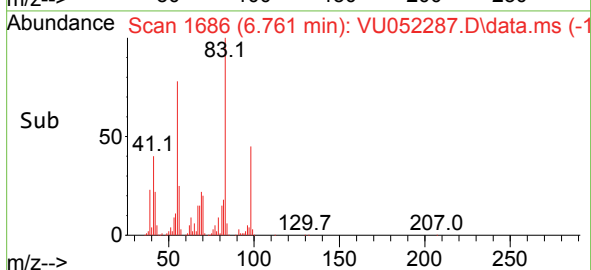
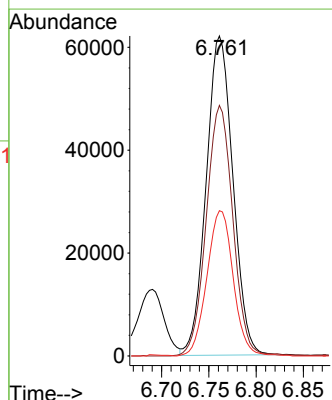
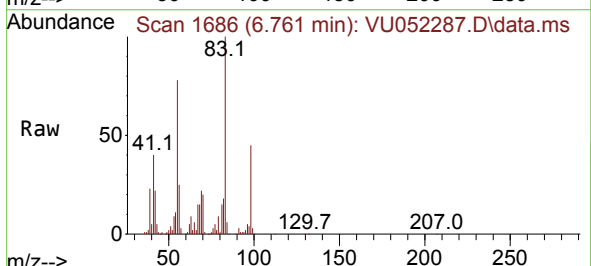
Tgt Ion: 83 Resp: 121960

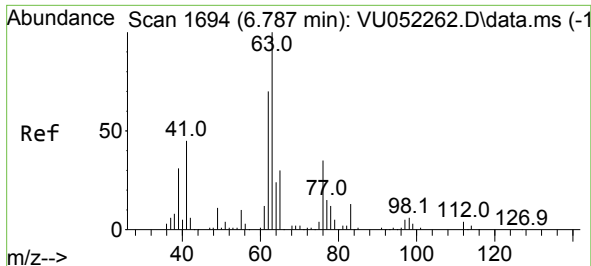
Ion Ratio Lower Upper

83 100

55 78.6 60.8 91.2

98 44.9 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.416 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

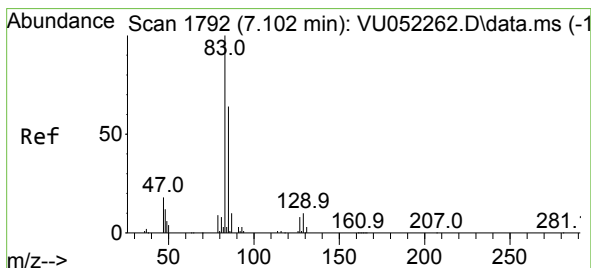
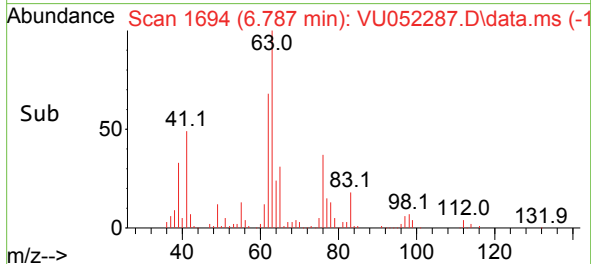
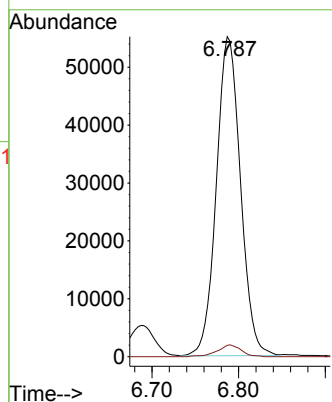
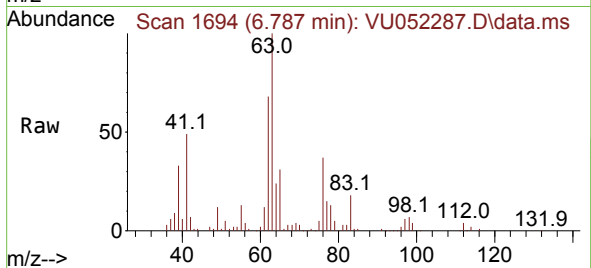
VSTD005099

Tgt Ion: 63 Resp: 106749

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 5.350 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

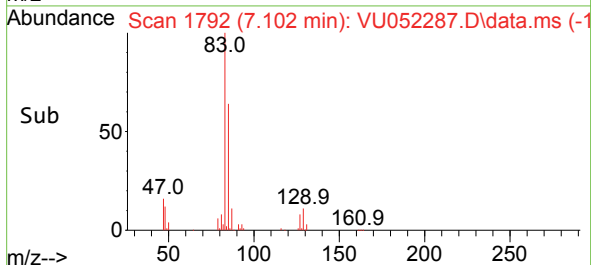
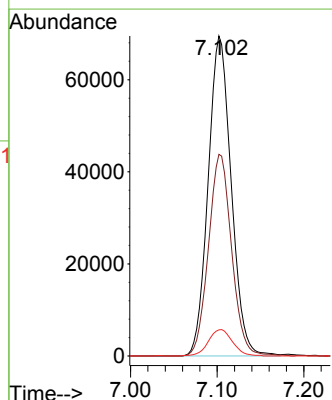
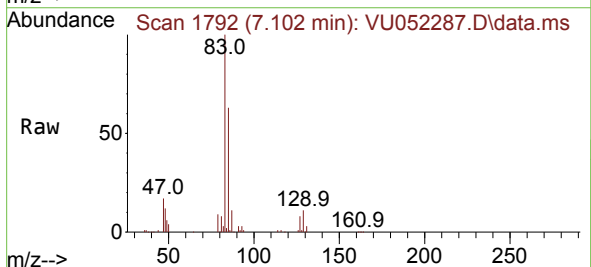
Tgt Ion: 83 Resp: 128559

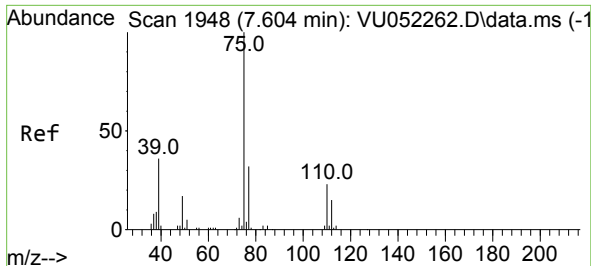
Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.9

127 8.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.737 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

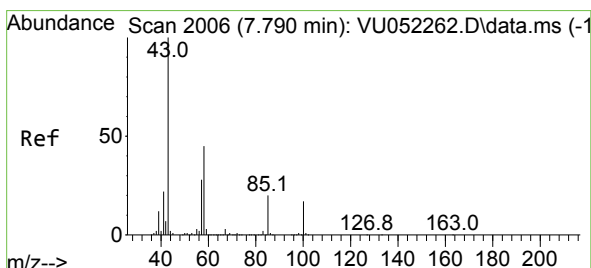
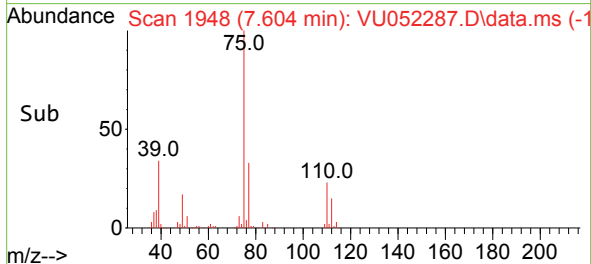
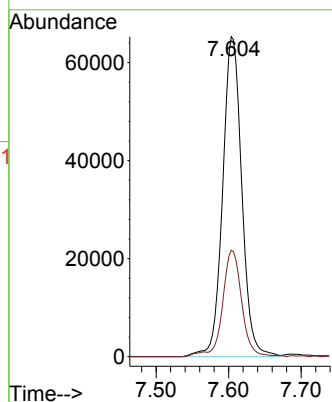
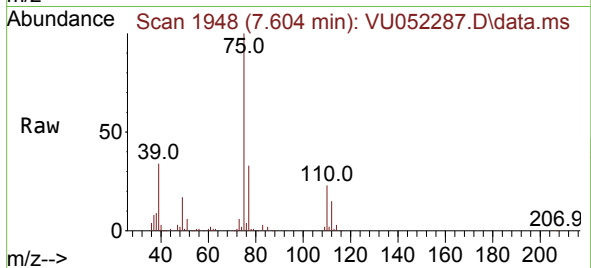
VSTD005099

Tgt Ion: 75 Resp: 119861

Ion Ratio Lower Upper

75 100

77 33.2 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 61.052 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

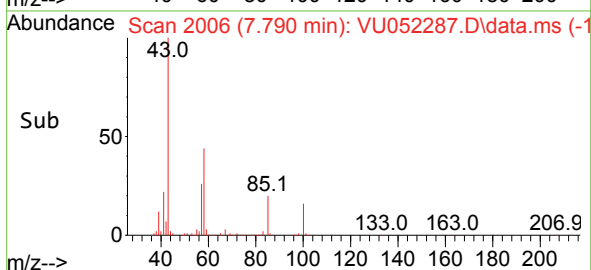
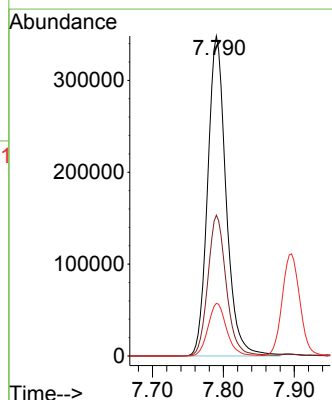
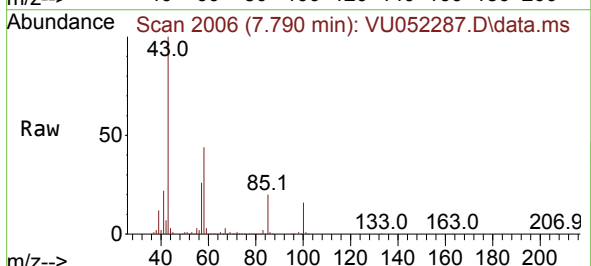
Tgt Ion: 43 Resp: 628542

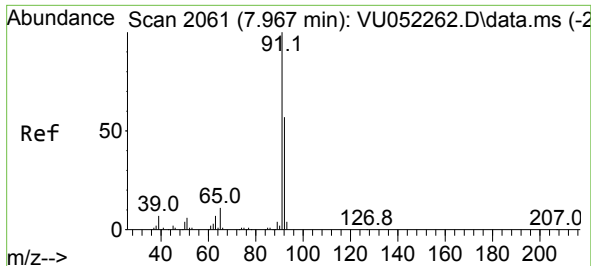
Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9

100 16.6 13.6 20.4





#42

Toluene

Concen: 5.442 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

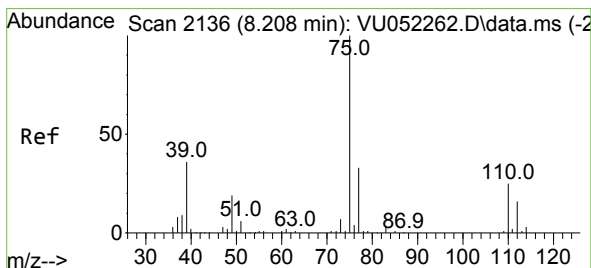
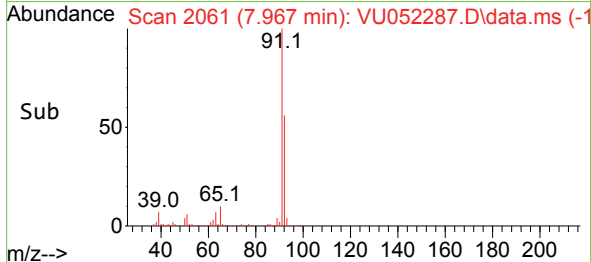
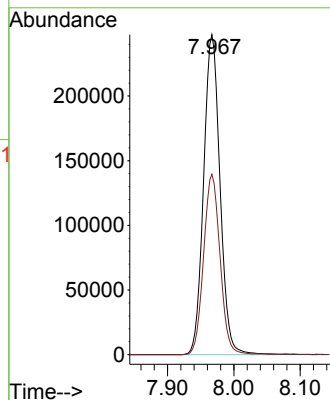
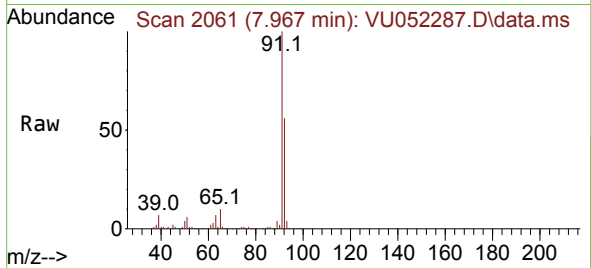
VSTD005099

Tgt Ion: 91 Resp: 426149

Ion Ratio Lower Upper

91 100

92 56.4 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.910 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052287.D

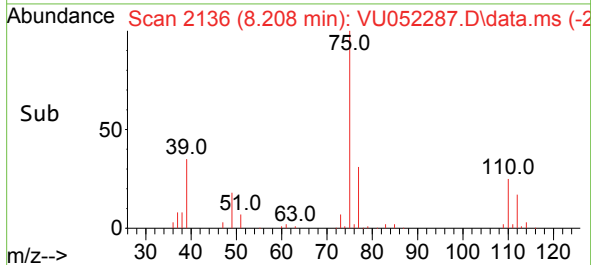
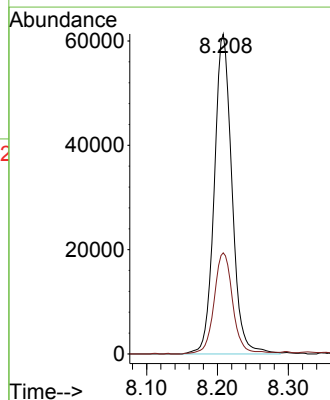
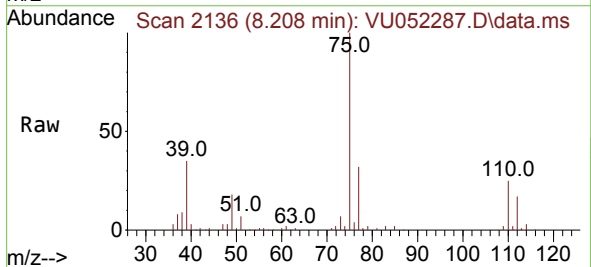
Acq: 09 Dec 2022 07:04

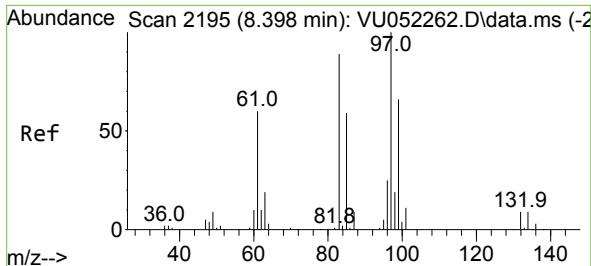
Tgt Ion: 75 Resp: 106405

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0

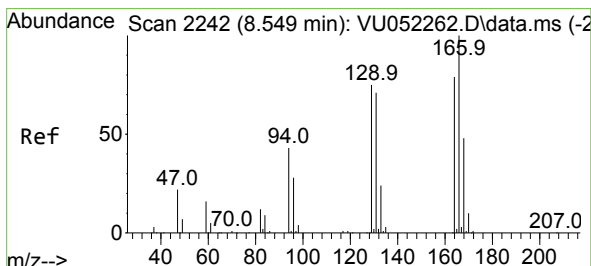
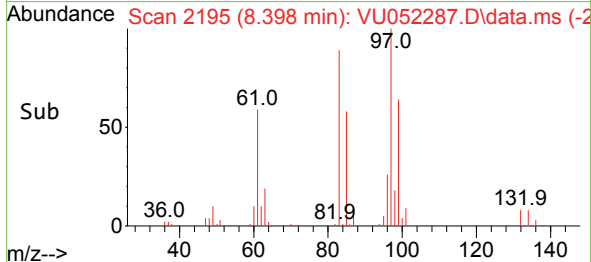
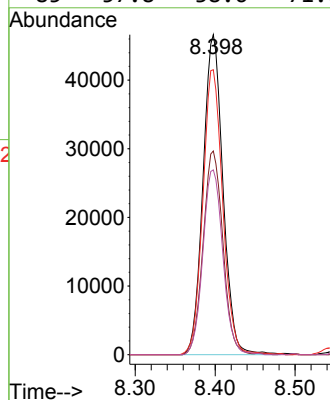
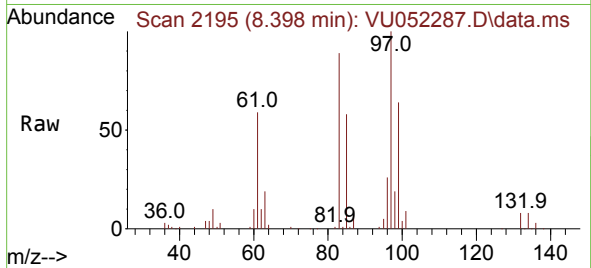




#45
1,1,2-Trichloroethane
Concen: 5.465 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

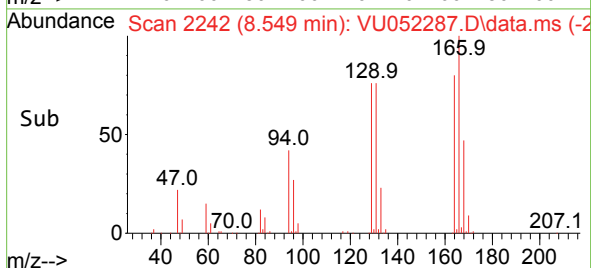
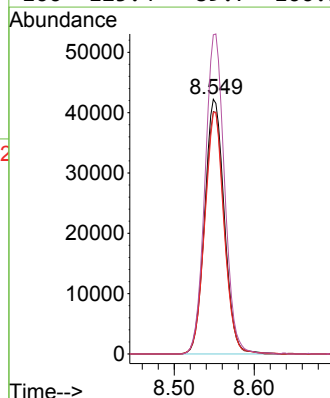
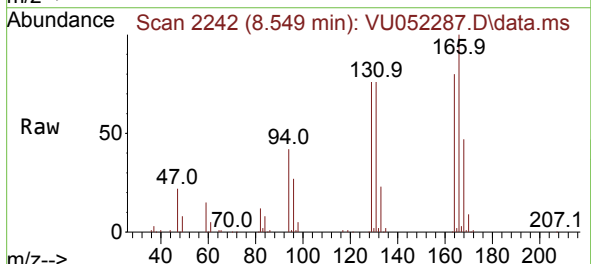
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

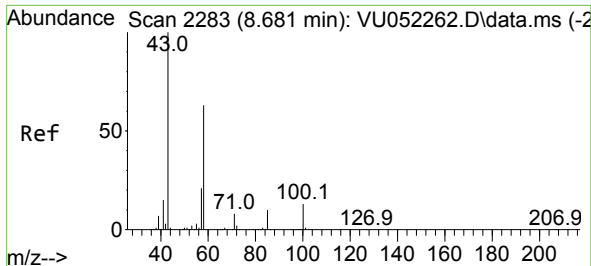
Tgt Ion:	97	Resp:	80944
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.6	79.2
83	89.1	60.7	112.7
85	57.8	38.6	71.6



#47
Tetrachloroethene
Concen: 4.972 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:	164	Resp:	72346
Ion	Ratio	Lower	Upper
164	100		
129	95.2	67.4	125.2
131	94.7	67.1	124.7
166	125.4	89.7	166.5

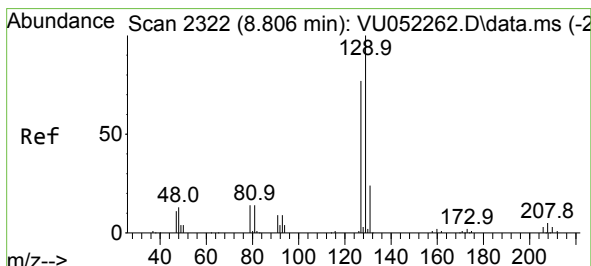
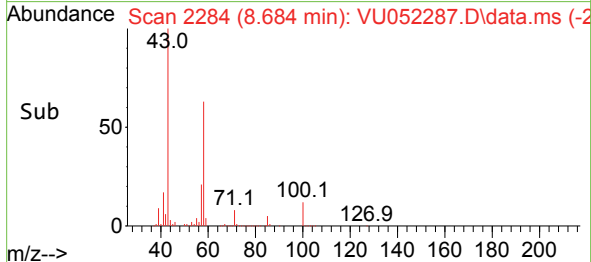
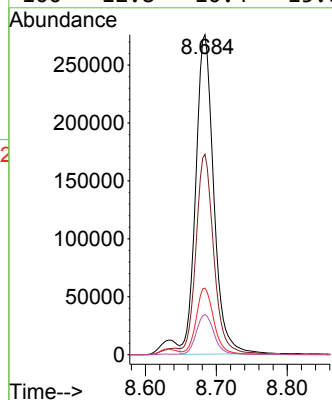
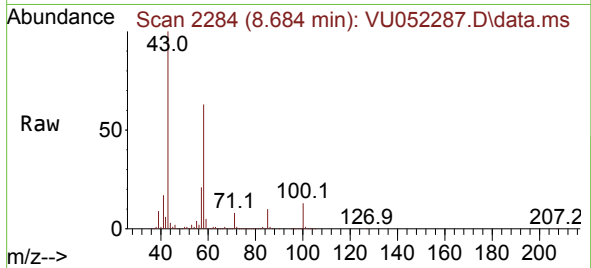




#48
2-Hexanone
Concen: 64.411 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

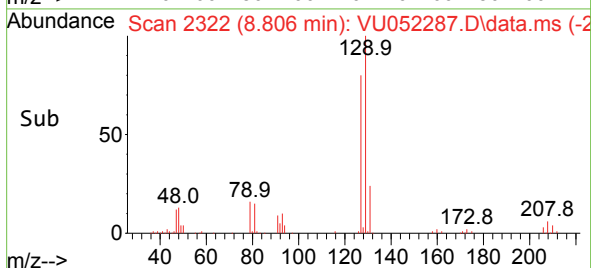
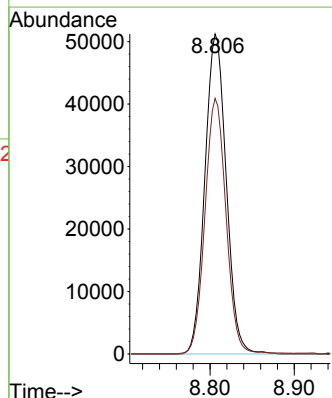
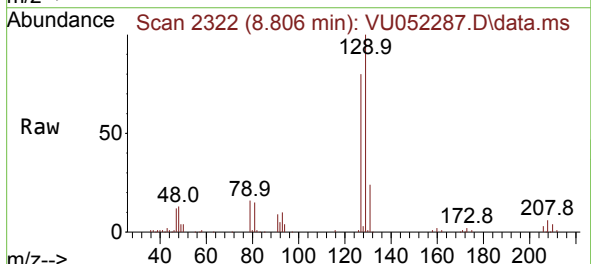
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

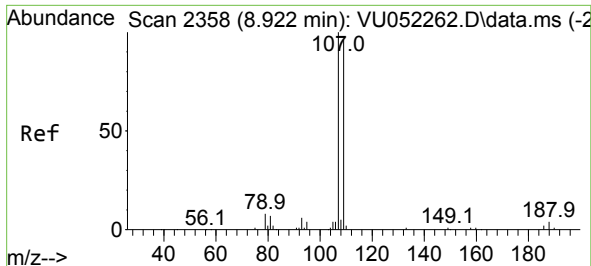
Tgt Ion: 43 Resp: 486146
Ion Ratio Lower Upper
43 100
58 62.2 49.4 74.0
57 20.6 16.3 24.5
100 12.8 10.4 15.6



#49
Dibromochloromethane
Concen: 5.437 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 129 Resp: 90196
Ion Ratio Lower Upper
129 100
127 79.9 52.8 98.2

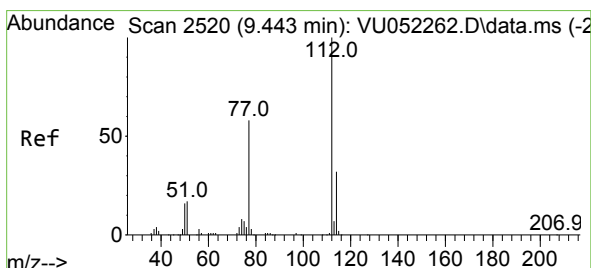
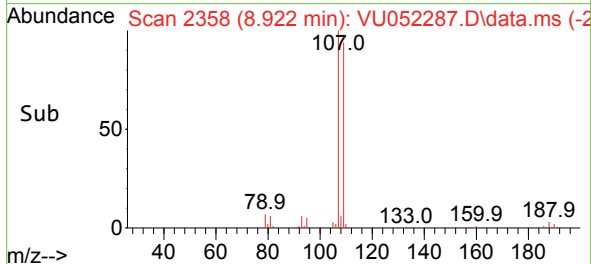
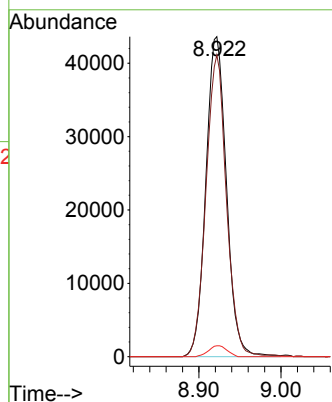
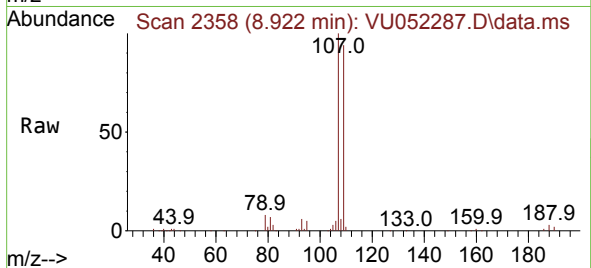




#50
1,2-Dibromoethane
Concen: 5.623 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

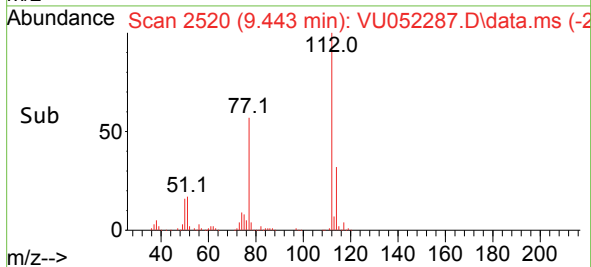
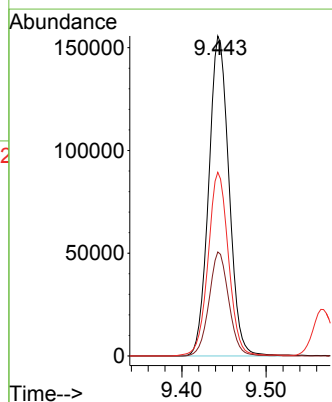
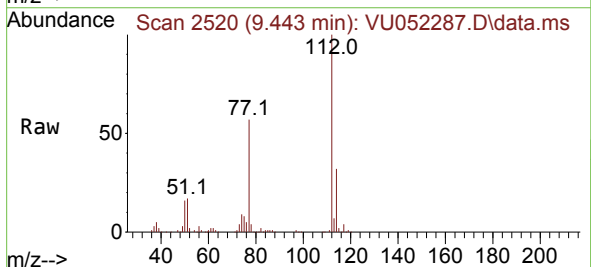
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

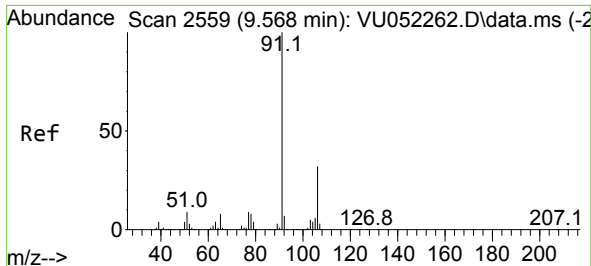
Tgt Ion:107 Resp: 75862
Ion Ratio Lower Upper
107 100
109 94.3 64.9 120.5
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 5.210 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:112 Resp: 260111
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 57.4 46.6 70.0

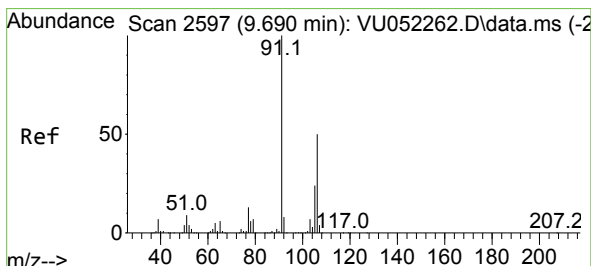
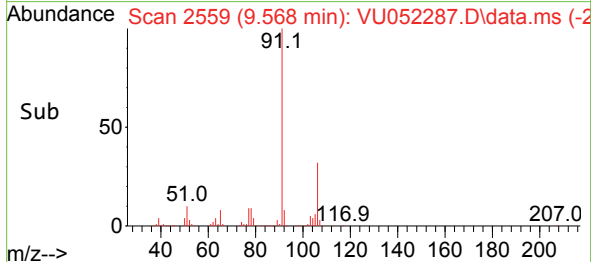
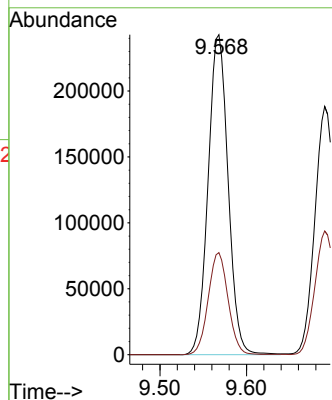
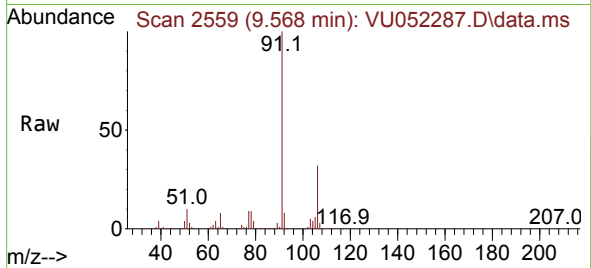




#52
Ethylbenzene
Concen: 5.116 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

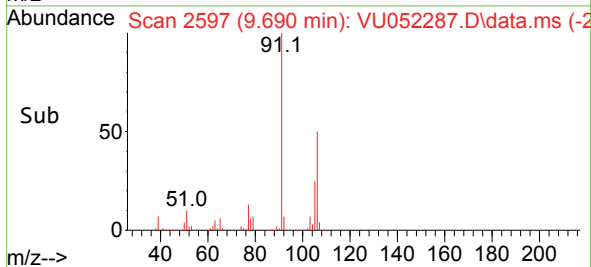
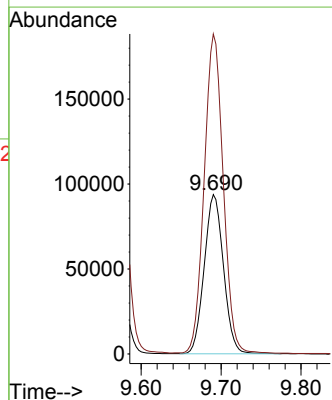
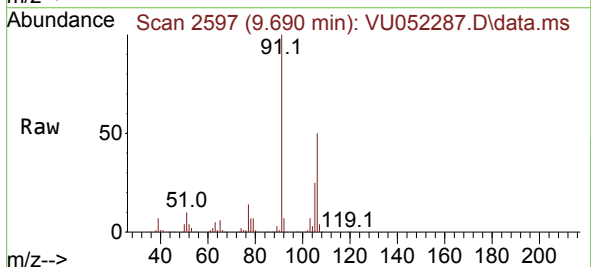
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

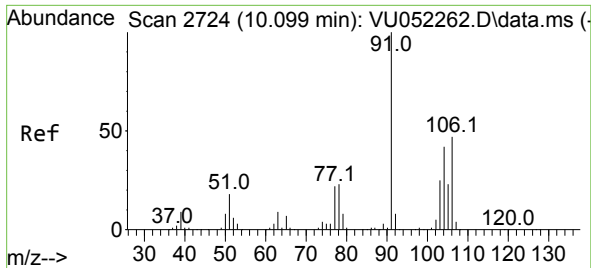
Tgt Ion: 91 Resp: 389459
Ion Ratio Lower Upper
91 100
106 31.9 22.3 41.3



#53
m,p-Xylene
Concen: 5.328 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 106 Resp: 157044
Ion Ratio Lower Upper
106 100
91 200.7 137.7 255.7

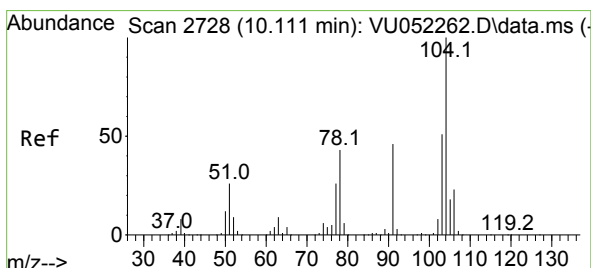
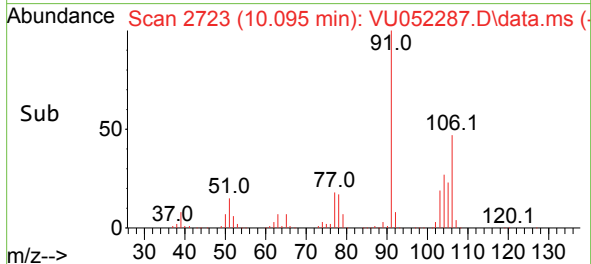
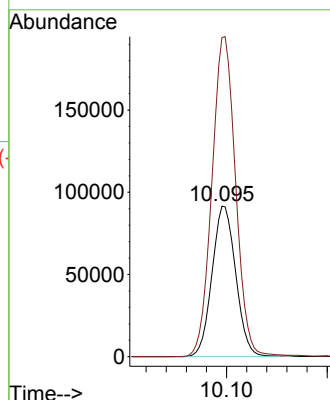
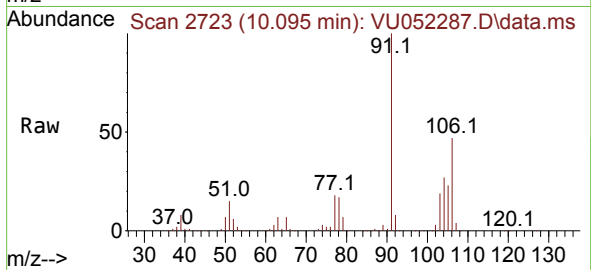




#54
o-Xylene
Concen: 5.306 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

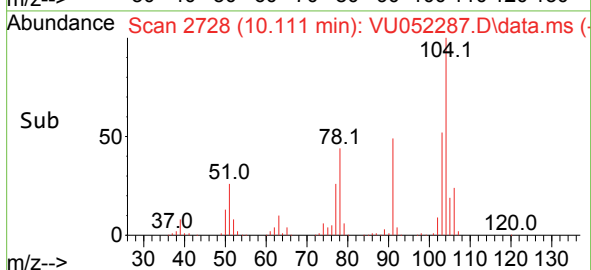
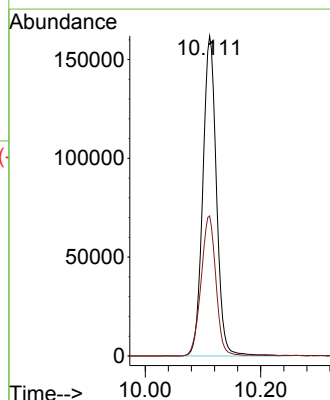
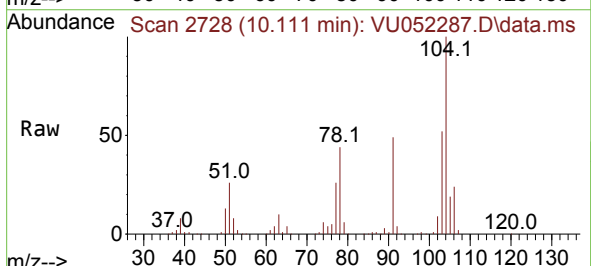
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

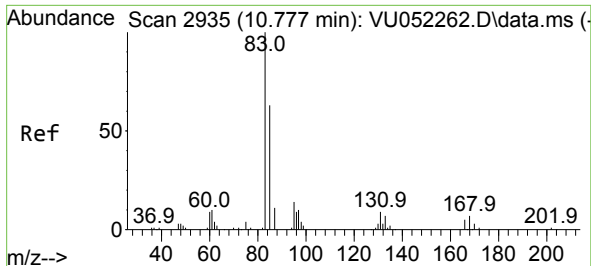
Tgt Ion:106 Resp: 149915
Ion Ratio Lower Upper
106 100
91 212.0 151.5 281.5



#55
Styrene
Concen: 5.577 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:104 Resp: 266140
Ion Ratio Lower Upper
104 100
78 43.8 30.6 56.8

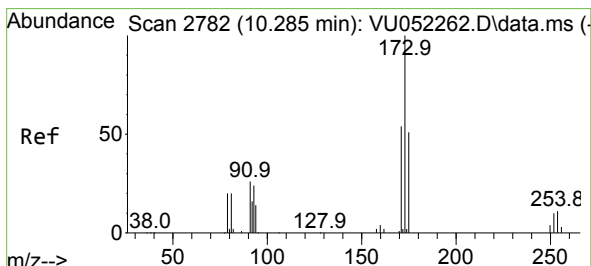
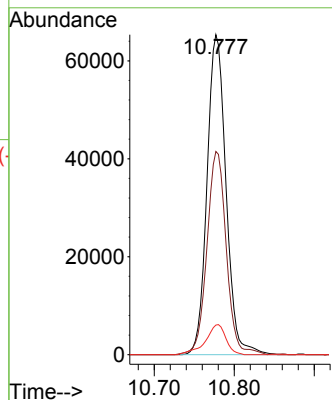
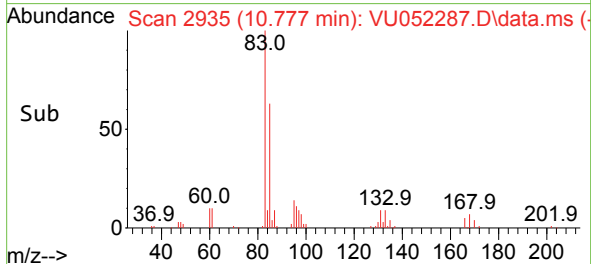
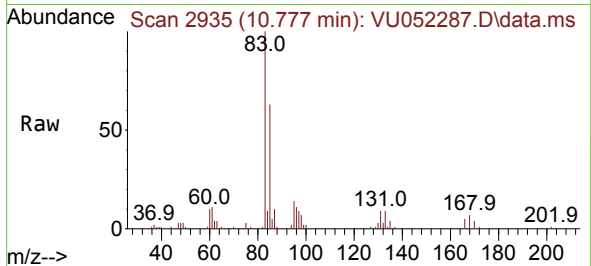




#57
1,1,2,2-Tetrachloroethane
Concen: 5.842 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

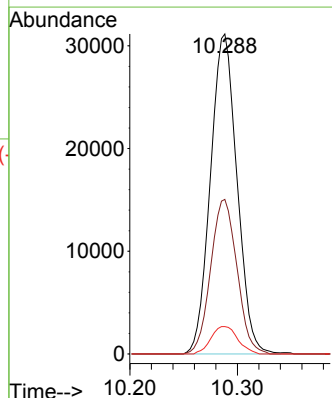
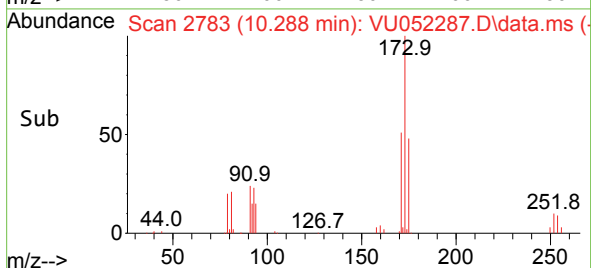
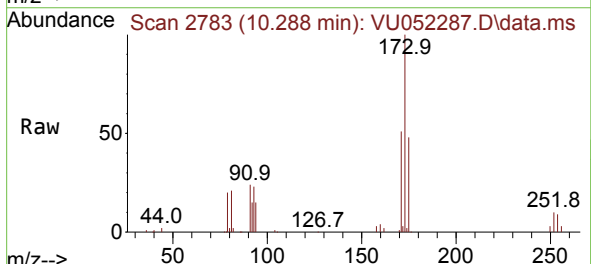
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

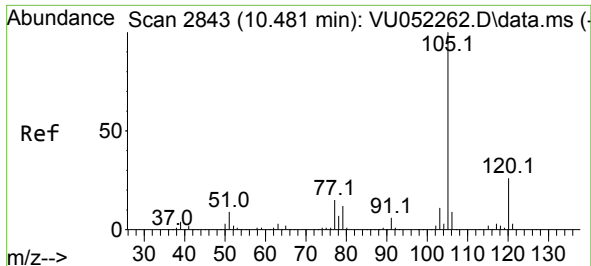
Tgt Ion: 83 Resp: 108060
Ion Ratio Lower Upper
83 100
85 63.5 45.7 84.9
131 9.3 7.6 11.4



#59
Bromoform
Concen: 5.100 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:173 Resp: 53462
Ion Ratio Lower Upper
173 100
175 47.7 37.2 55.8
254 8.7 7.0 10.6

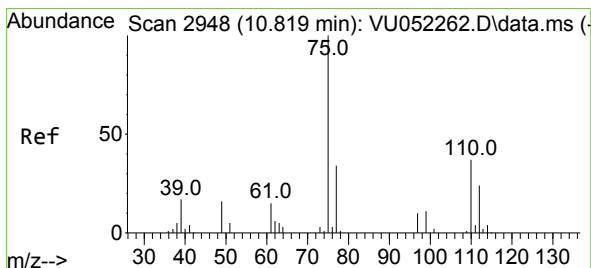
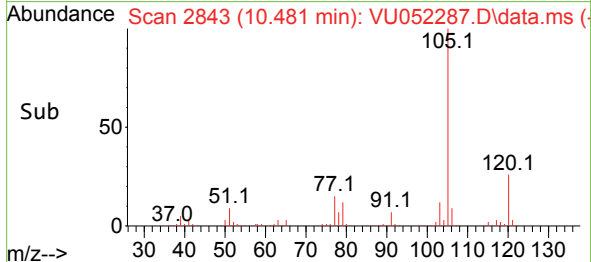
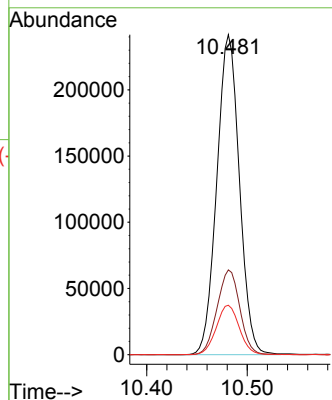
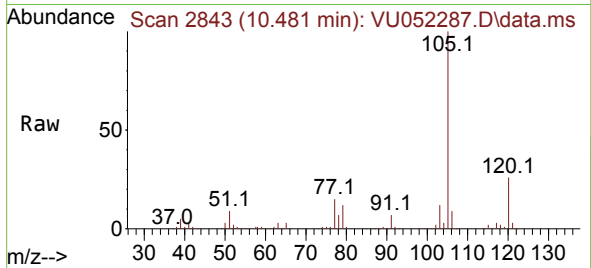




#60
Isopropylbenzene
Concen: 4.716 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

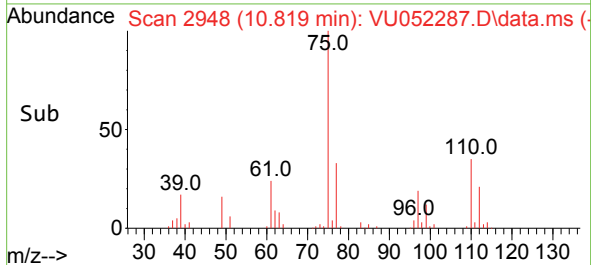
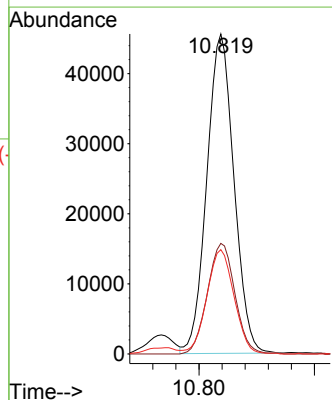
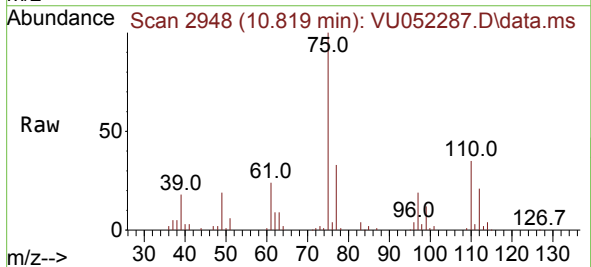
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

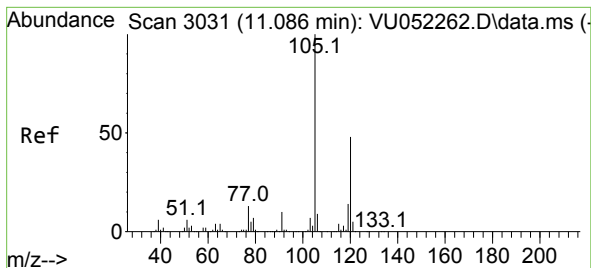
Tgt Ion:105 Resp: 377016
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.8 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.098 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion: 75 Resp: 74261
Ion Ratio Lower Upper
75 100
110 35.2 28.3 42.5
77 33.0 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 4.376 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

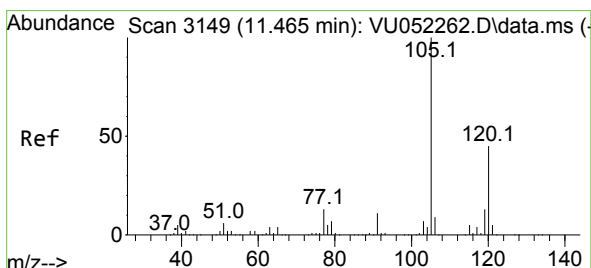
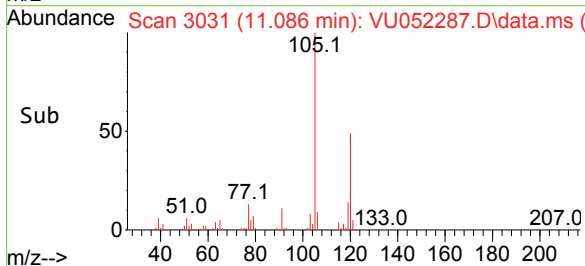
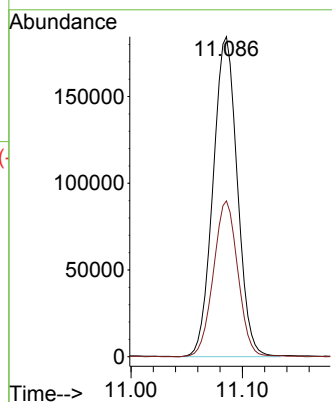
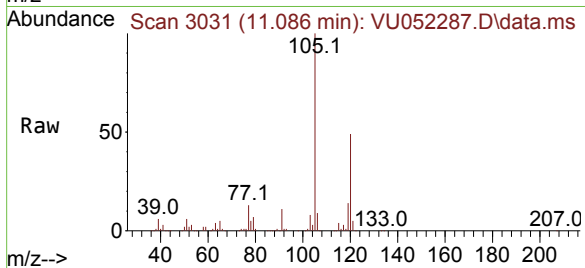
VSTD005099

Tgt Ion:105 Resp: 279636

Ion Ratio Lower Upper

105 100

120 49.1 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.511 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052287.D

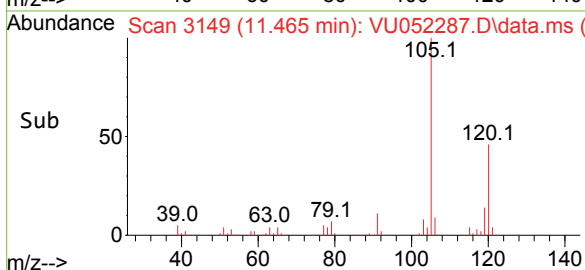
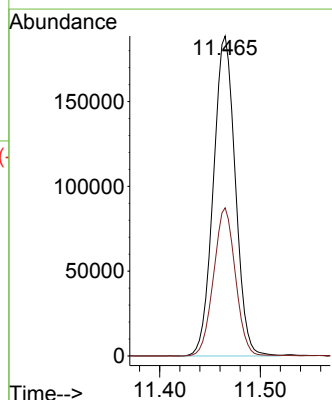
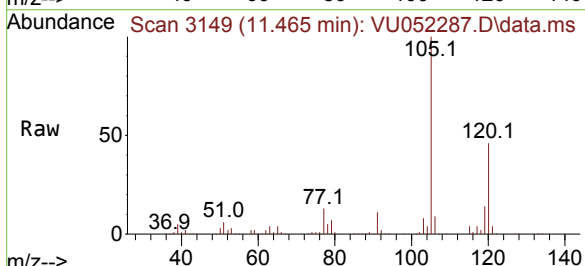
Acq: 09 Dec 2022 07:04

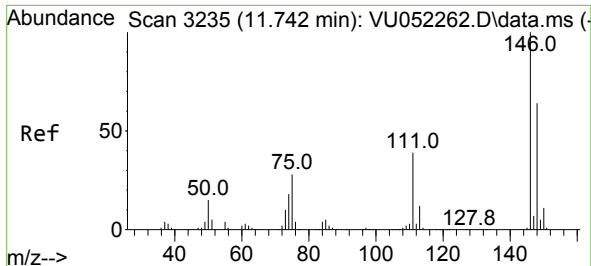
Tgt Ion:105 Resp: 286168

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0

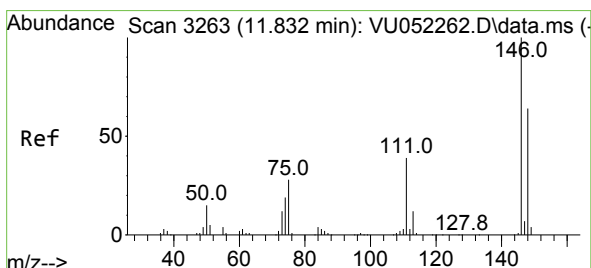
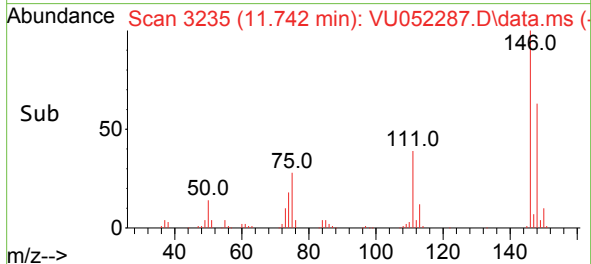
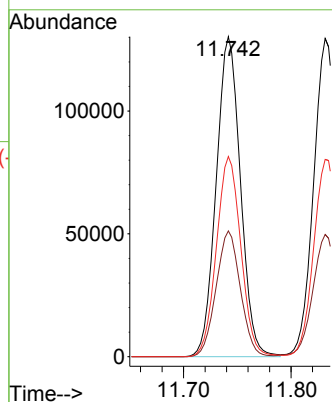
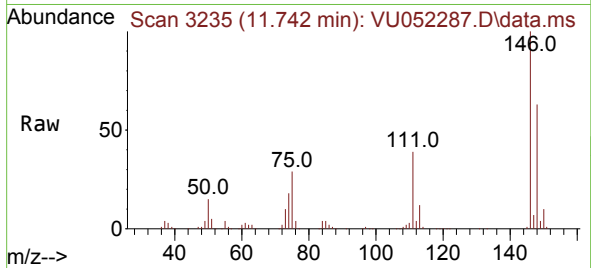




#64
1,3-Dichlorobenzene
Concen: 4.998 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

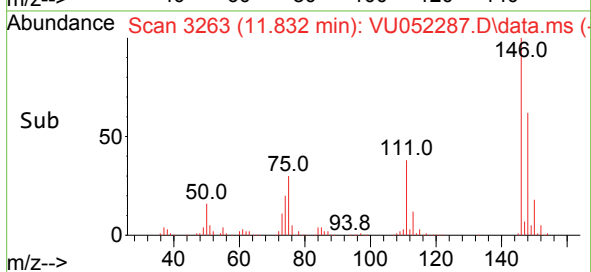
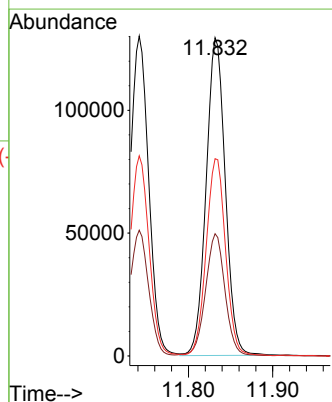
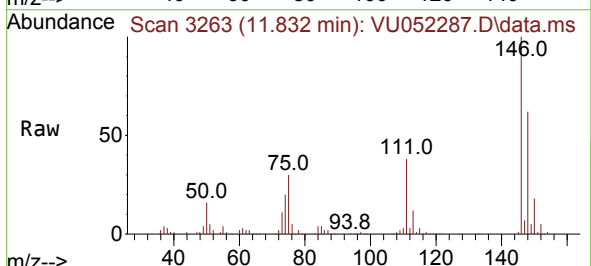
Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

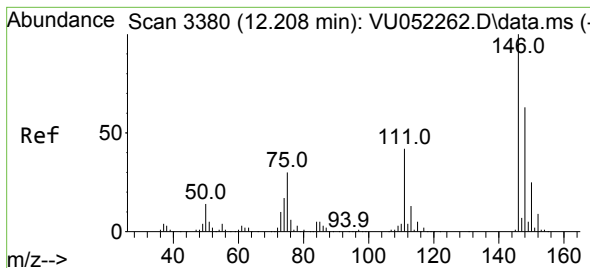
Tgt Ion:146 Resp: 204009
Ion Ratio Lower Upper
146 100
111 39.3 28.6 53.2
148 62.5 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.032 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:146 Resp: 204855
Ion Ratio Lower Upper
146 100
111 38.4 26.9 50.1
148 62.0 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.025 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005099

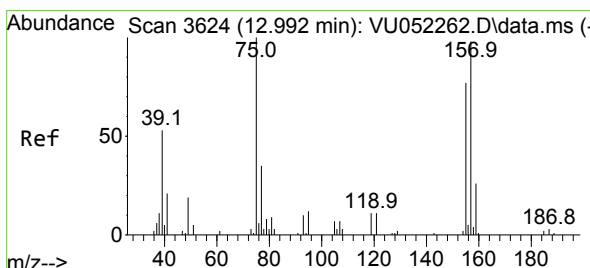
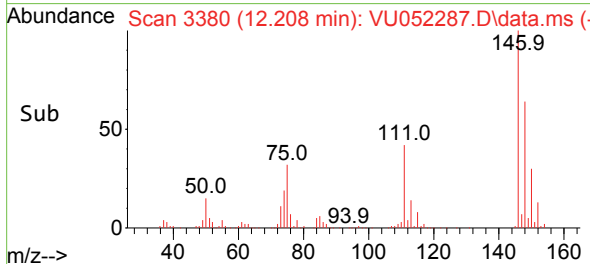
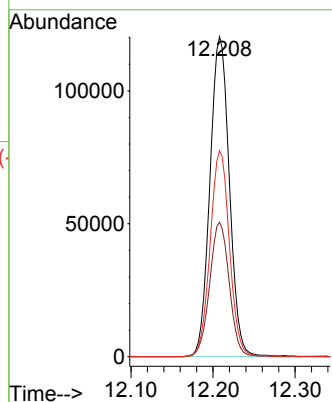
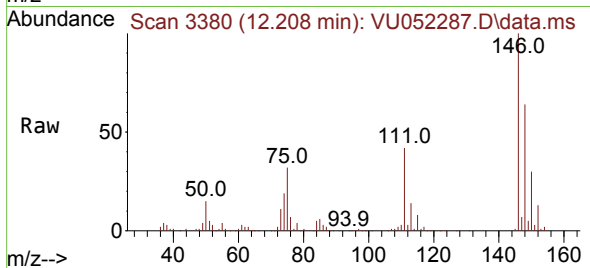
Tgt Ion:146 Resp: 197512

Ion Ratio Lower Upper

146 100

111 42.0 32.7 49.1

148 64.3 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.905 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

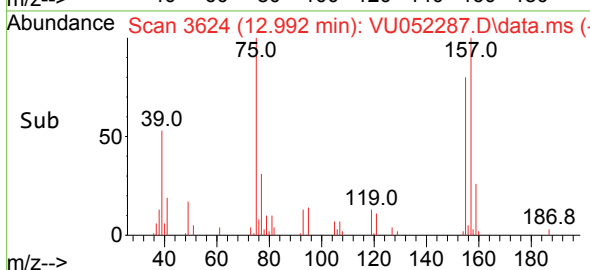
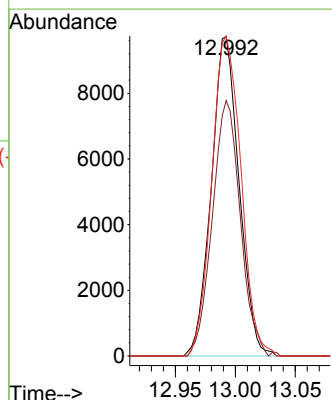
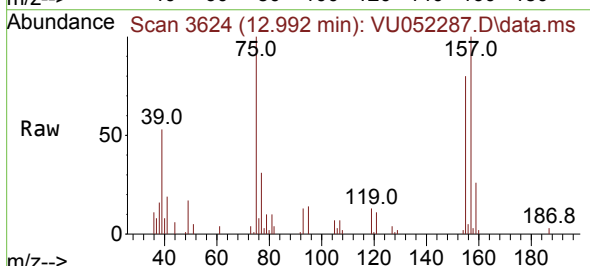
Tgt Ion: 75 Resp: 15634

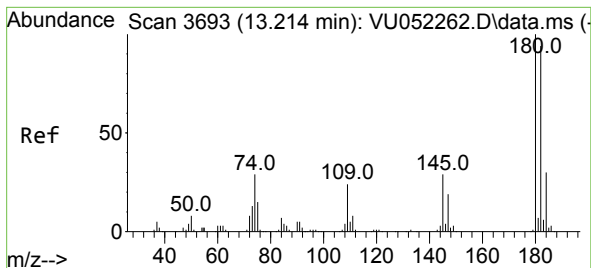
Ion Ratio Lower Upper

75 100

155 79.9 65.4 98.2

157 100.1 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 4.688 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU052287.D

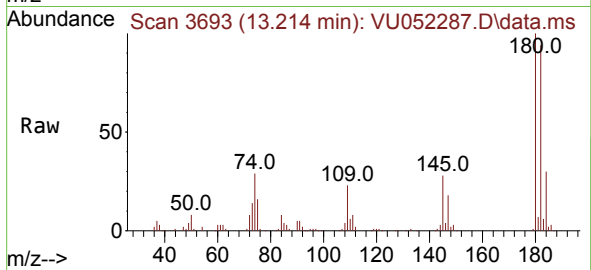
Acq: 09 Dec 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005099



Tgt Ion:180 Resp: 135696

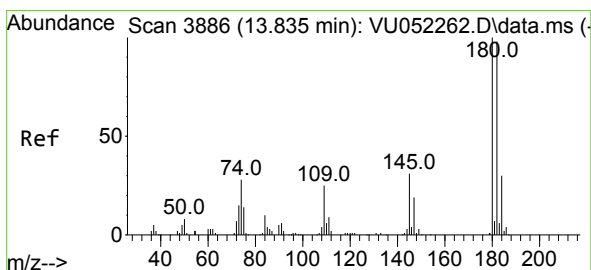
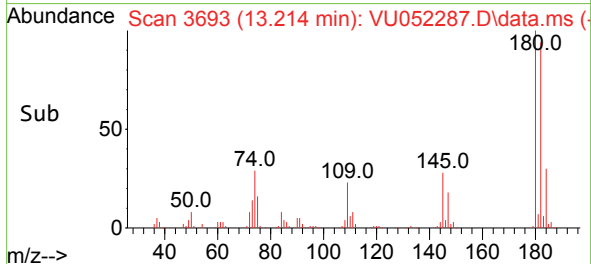
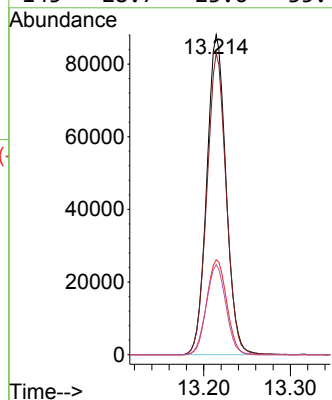
Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

184 30.8 24.3 36.5

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.827 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052287.D

Acq: 09 Dec 2022 07:04

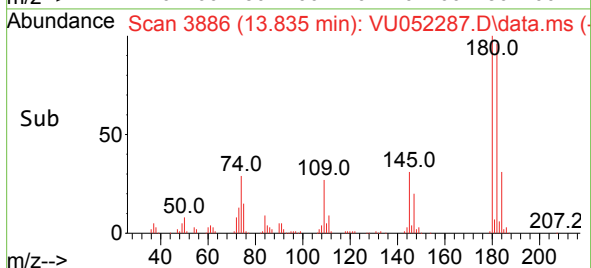
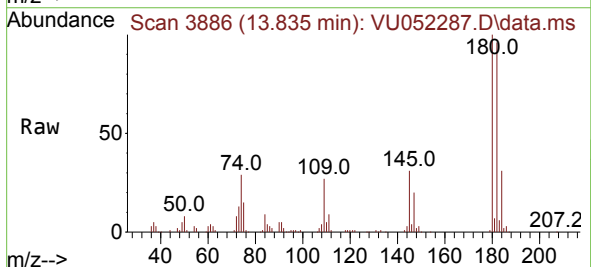
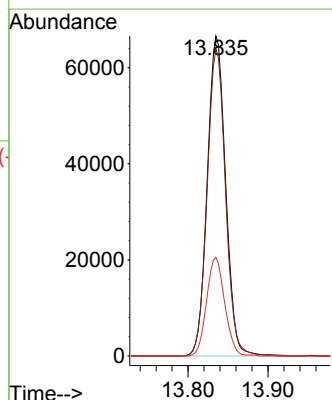
Tgt Ion:180 Resp: 106399

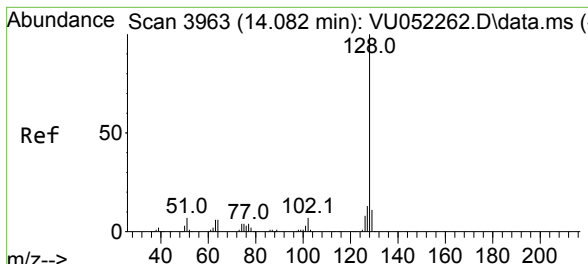
Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

145 30.4 24.6 36.8

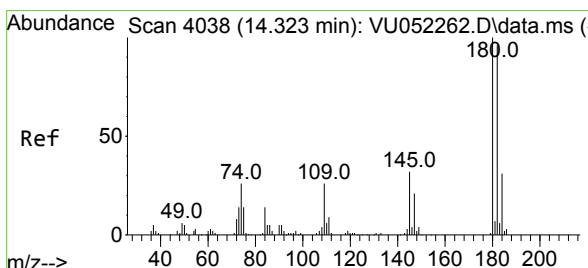
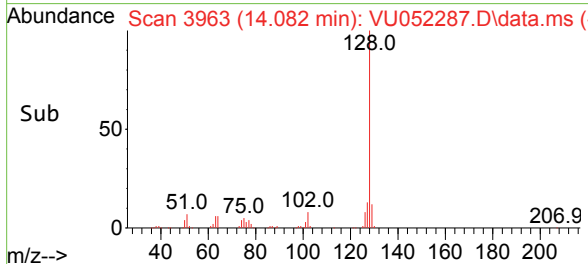
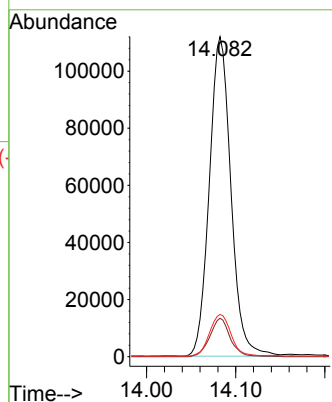
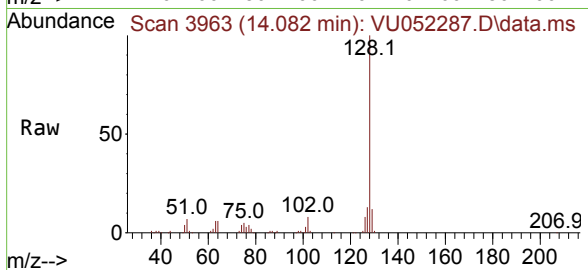




#71
Naphthalene
Concen: 4.547 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005099

Tgt Ion:	128	Resp:	188161
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.3	12.5
127	13.0	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.047 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052287.D
Acq: 09 Dec 2022 07:04

Tgt Ion:	180	Resp:	109444
Ion Ratio	Lower	Upper	
180	100		
182	95.6	75.7	113.5
145	31.1	24.5	36.7

