

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041124\
 Data File : VU058619.D
 Acq On : 11 Apr 2024 19:33
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

Quant Time: Apr 12 02:31:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 02:25:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	80963	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	77986	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	37927	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	24471	4.565	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.904	69	23186	4.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.560	65	11592	4.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.618	46	53671	47.512	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.020%
24) Chloroform-d	5.052	84	53016	4.955	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.692	65	24825	4.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.718	84	100860	4.804	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.682	67	31718	4.817	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	90542	4.863	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	8.174	79	9680	4.736	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.628	63	40551	48.103	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.200%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	20671	4.447	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	27846	4.359	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	25929	3.842	ug/L	100
3) Chloromethane	1.515	50	33981	4.115	ug/L	98
5) Vinyl chloride	1.599	62	34899	4.231	ug/L	100
6) Bromomethane	1.853	94	14777	3.787	ug/L	97
8) Chloroethane	1.927	64	23748	4.558	ug/L	97
9) Trichlorofluoromethane	2.133	101	46693	4.287	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	27266	4.213	ug/L	96
12) 1,1-Dichloroethene	2.573	96	24261	4.228	ug/L	93
13) Acetone	2.625	43	36648	38.011	ug/L	99
14) Carbon disulfide	2.785	76	74249	4.074	ug/L	99
15) Methyl Acetate	2.946	43	10256	4.508	ug/L	100
16) Methylene chloride	3.036	84	30396	3.992	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	59297	4.375	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	26361	4.384	ug/L	95
19) 1,1-Dichloroethane	3.856	63	61215	4.664	ug/L	98
21) 2-Butanone	4.695	43	62380	43.287	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	30551	4.524	ug/L	99
23) Bromochloromethane	4.965	128	12137	4.561	ug/L	96
25) Chloroform	5.078	83	59477	4.682	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041124\
 Data File : VU058619.D
 Acq On : 11 Apr 2024 19:33
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

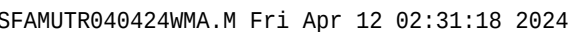
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

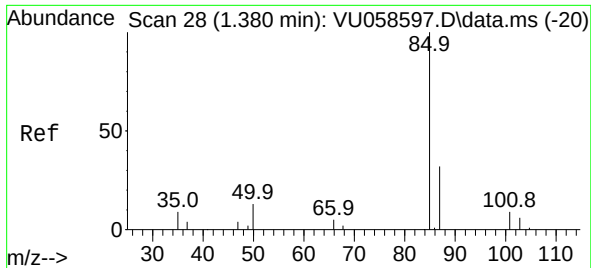
Quant Time: Apr 12 02:31:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 02:25:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	36487	4.716	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	47247	4.519	ug/L	98
30) Cyclohexane	5.380	56	44589	4.038	ug/L	97
31) Carbon tetrachloride	5.515	117	39567	4.468	ug/L	100
33) Benzene	5.766	78	126432	4.472	ug/L	100
34) Trichloroethene	6.534	95	30311	4.254	ug/L	98
35) Methylcyclohexane	6.756	83	43336	4.036	ug/L	97
37) 1,2-Dichloropropane	6.782	63	36396	4.893	ug/L #	96
38) Bromodichloromethane	7.097	83	40139	4.728	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	42585	4.503	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	165157	47.176	ug/L	98
42) Toluene	7.962	91	132500	4.469	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	34586	4.637	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	20037	4.613	ug/L	97
47) Tetrachloroethene	8.547	164	21242	4.066	ug/L	96
48) 2-Hexanone	8.679	43	115047	46.291	ug/L	98
49) Dibromochloromethane	8.801	129	23028	4.585	ug/L	97
50) 1,2-Dibromoethane	8.917	107	18150	4.569	ug/L	98
51) Chlorobenzene	9.441	112	78574	4.379	ug/L	98
52) Ethylbenzene	9.563	91	134866	4.293	ug/L	100
53) m,p-Xylene	9.689	106	49586	4.408	ug/L	99
54) o-Xylene	10.094	106	48575	4.405	ug/L	98
55) Styrene	10.107	104	79880	4.502	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	24491	4.571	ug/L	100
59) Bromoform	10.283	173	11261	4.444	ug/L	99
60) Isopropylbenzene	10.476	105	122075	4.397	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	17724	4.580	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	98088	4.332	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	101010	4.369	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	58067	4.305	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	56249	4.281	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	52825	4.306	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	3174	4.837	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	41588	4.170	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	29071	3.780	ug/L	99
71) Naphthalene	14.084	128	33879	3.215	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	24219	3.813	ug/L	99

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

Quant Time: Apr 12 02:31:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 12 02:25:12 2024
Response via : Initial Calibration

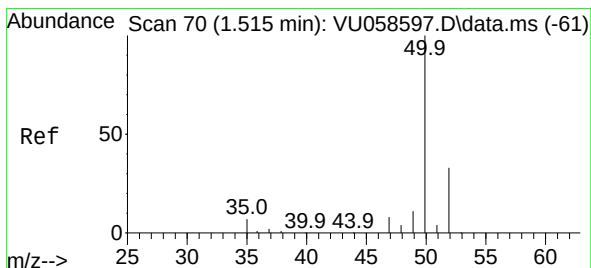
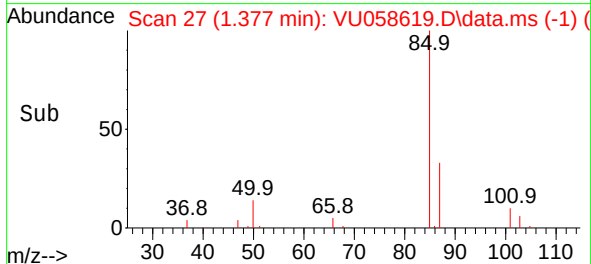
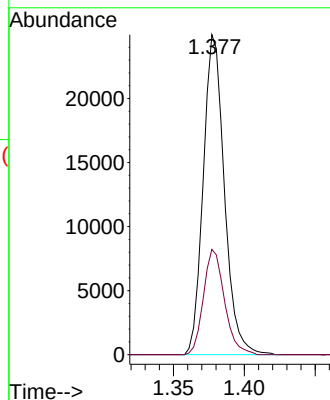
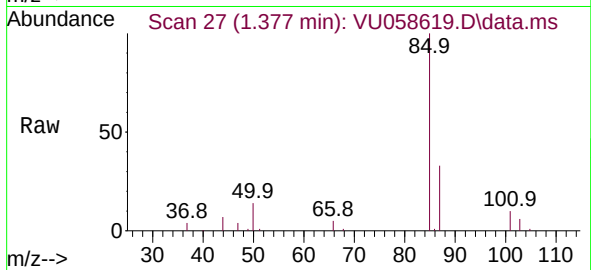




#2
 Dichlorodifluoromethane
 Concen: 3.842 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

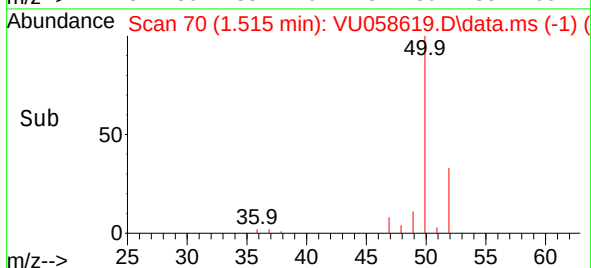
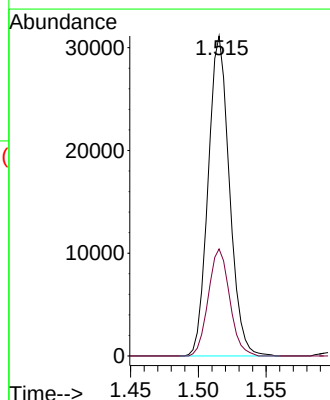
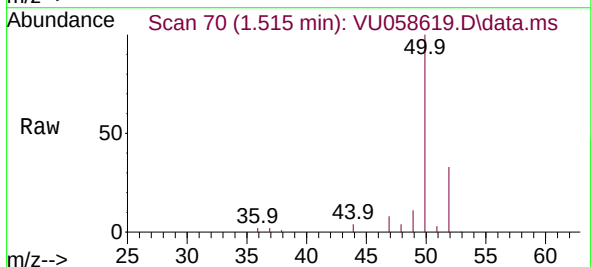
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

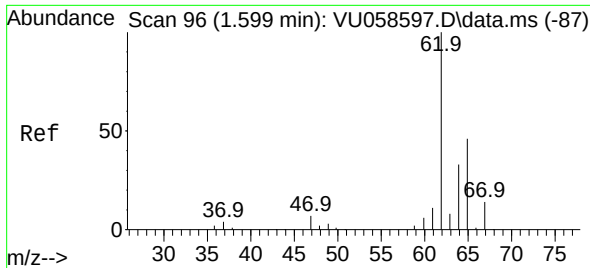
Tgt Ion: 85 Resp: 25929
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 4.115 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

Tgt Ion: 50 Resp: 33981
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.6 42.0

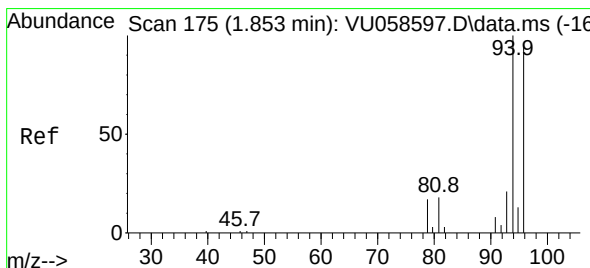
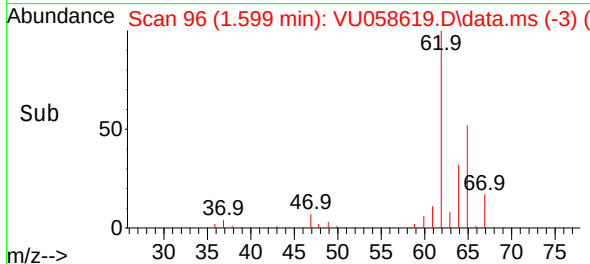
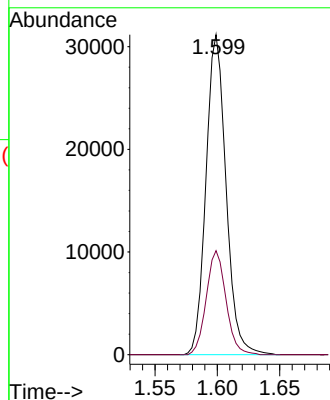
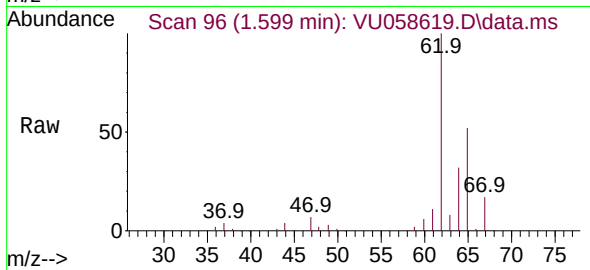




#5
 Vinyl chloride
 Concen: 4.231 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

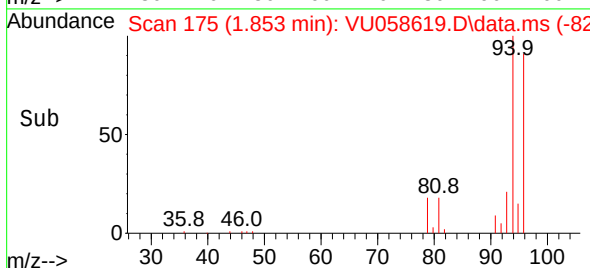
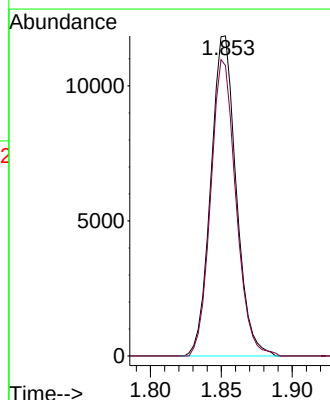
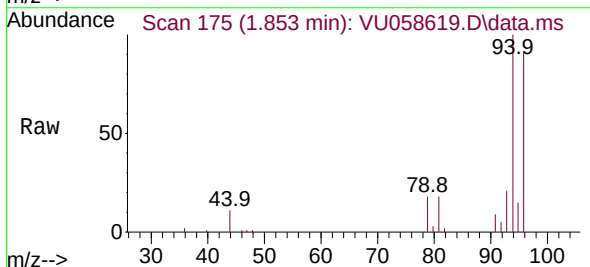
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

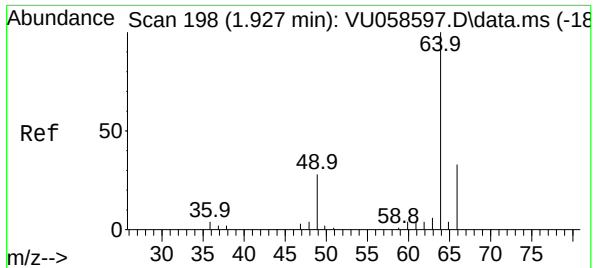
Tgt Ion: 62 Resp: 34899
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.6 42.0



#6
 Bromomethane
 Concen: 3.787 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

Tgt Ion: 94 Resp: 14777
 Ion Ratio Lower Upper
 94 100
 96 90.8 65.4 121.4

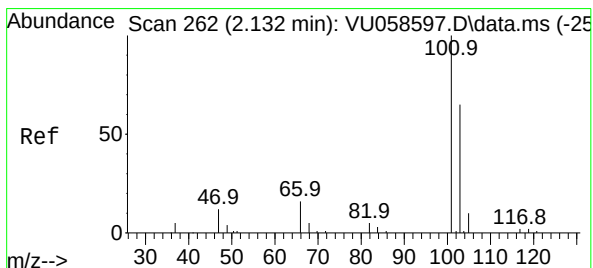
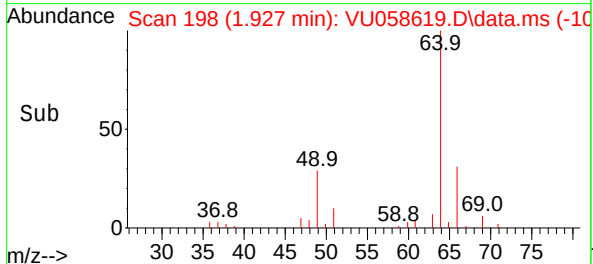
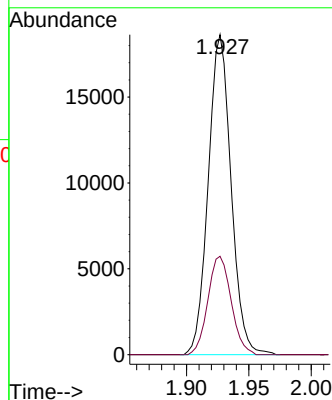
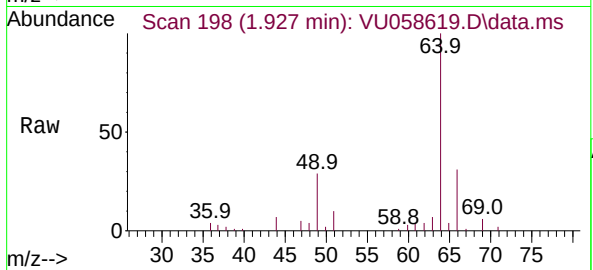




#8
Chloroethane
Concen: 4.558 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

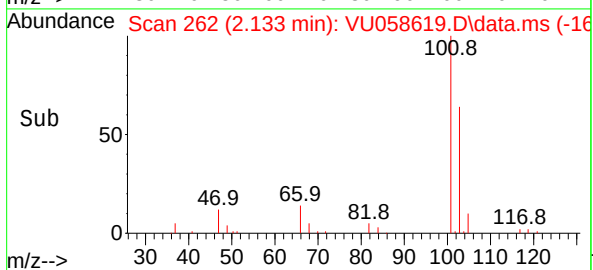
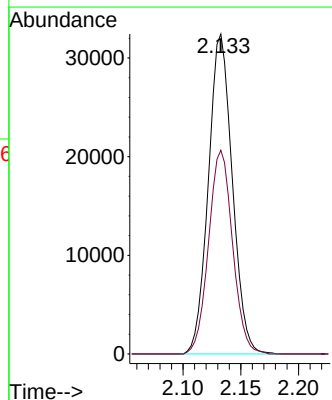
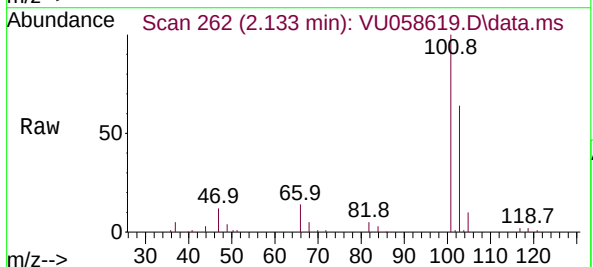
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

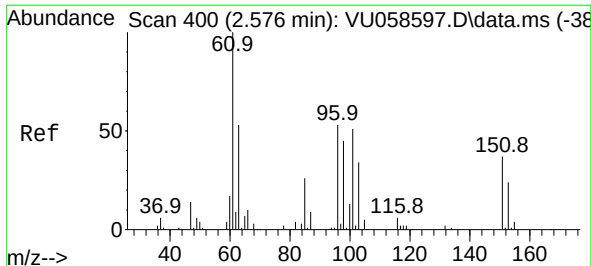
Tgt Ion: 64 Resp: 23748
Ion Ratio Lower Upper
64 100
66 30.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.287 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion:101 Resp: 46693
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8

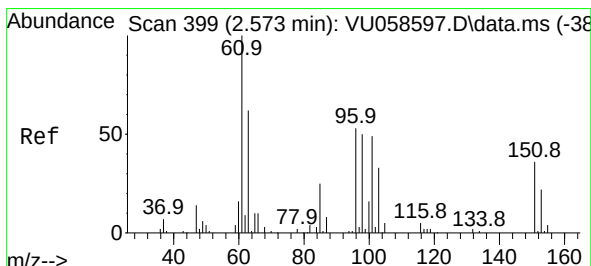
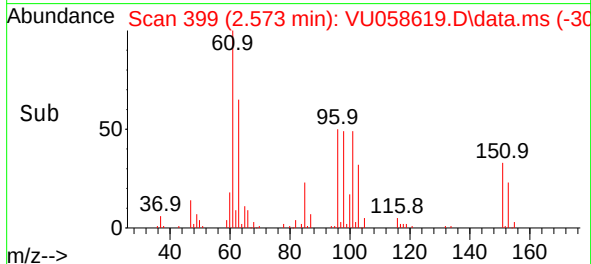
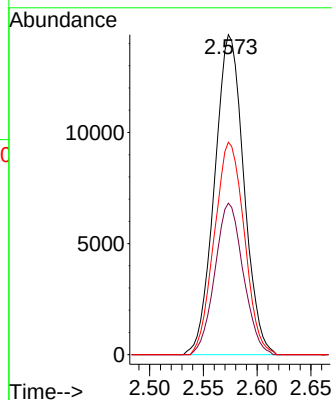
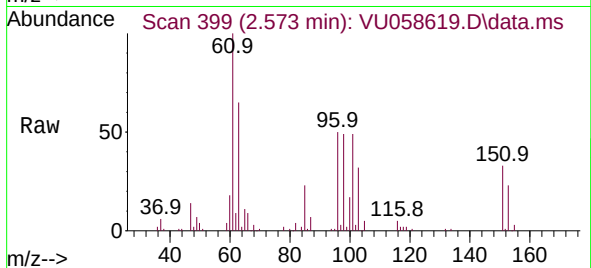




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.213 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

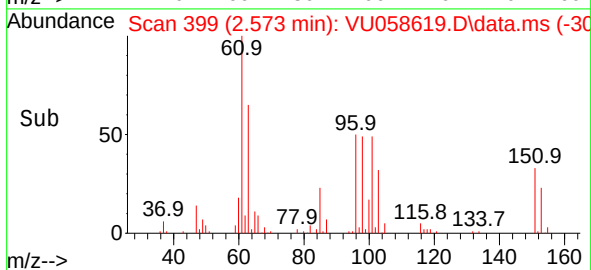
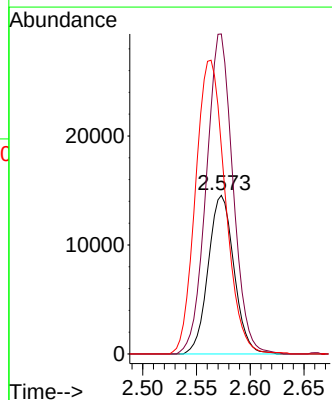
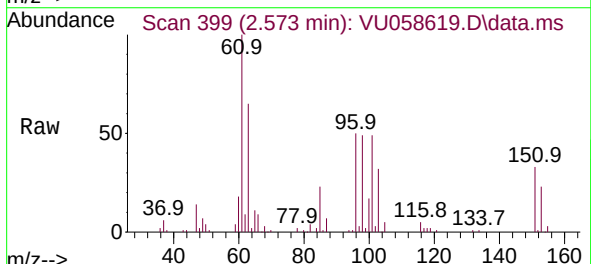
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

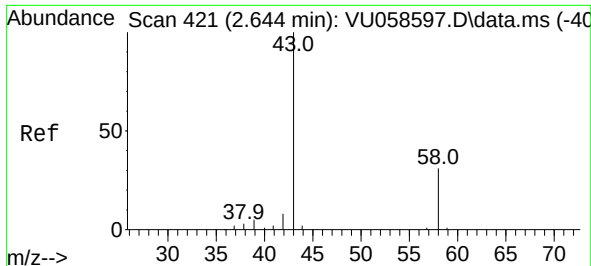
Tgt Ion:101 Resp: 27266
Ion Ratio Lower Upper
101 100
85 45.9 36.8 55.2
151 67.9 58.2 87.4



#12
1,1-Dichloroethene
Concen: 4.228 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion: 96 Resp: 24261
Ion Ratio Lower Upper
96 100
61 201.8 132.5 246.1
63 130.8 87.7 162.9





#13

Acetone

Concen: 38.011 ug/L

RT: 2.625 min Scan# 415

Delta R.T. -0.019 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

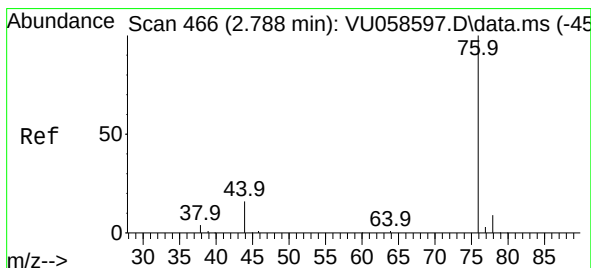
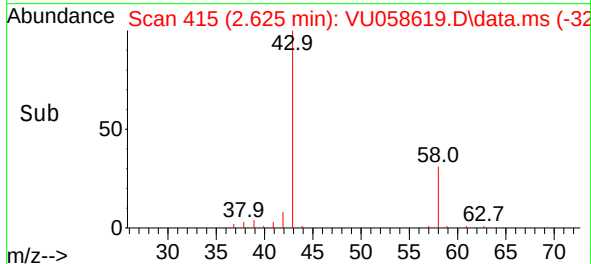
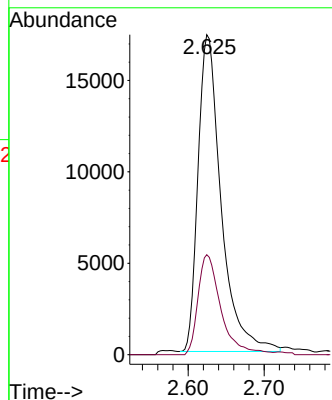
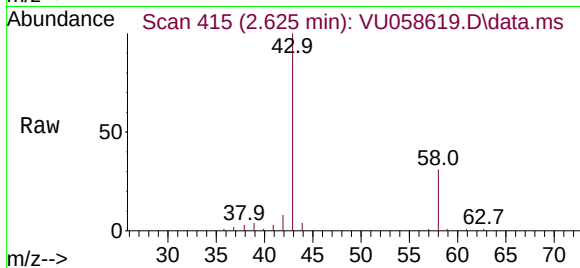
VSTD005195

Tgt Ion: 43 Resp: 36648

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.4



#14

Carbon disulfide

Concen: 4.074 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU058619.D

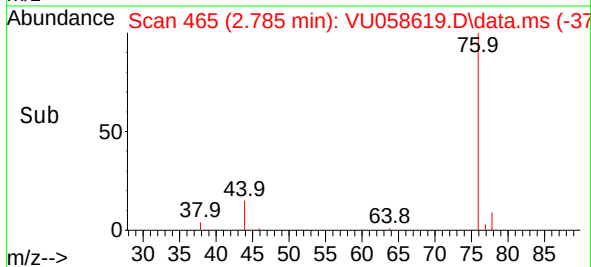
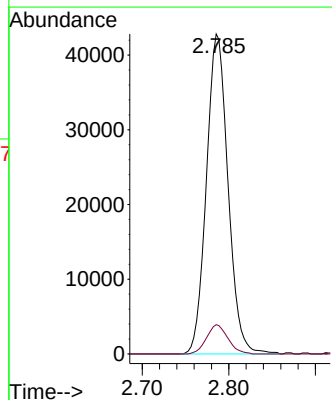
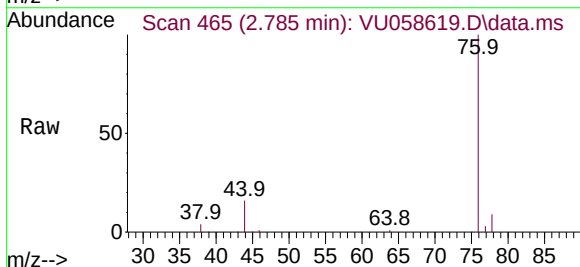
Acq: 11 Apr 2024 19:33

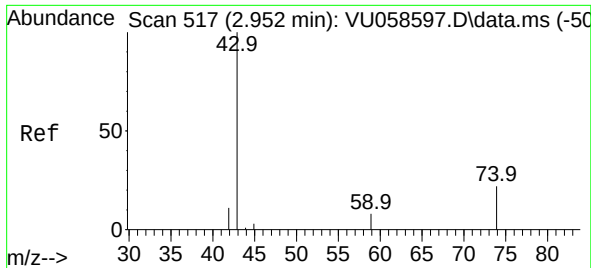
Tgt Ion: 76 Resp: 74249

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 4.508 ug/L

RT: 2.946 min Scan# 51

Delta R.T. -0.006 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

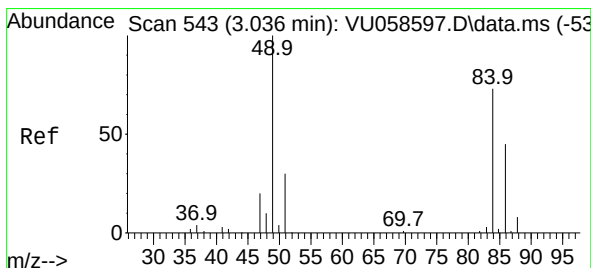
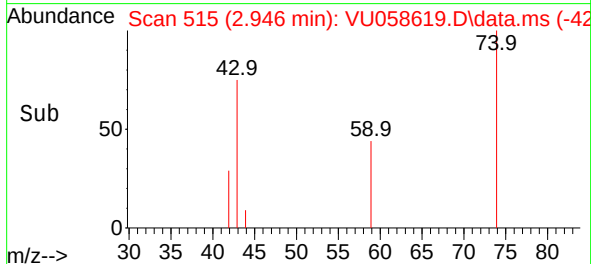
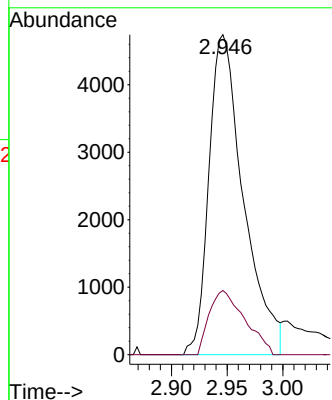
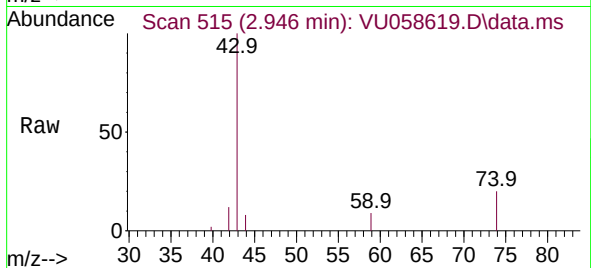
VSTD005195

Tgt Ion: 43 Resp: 10256

Ion Ratio Lower Upper

43 100

74 20.6 16.6 25.0



#16

Methylene chloride

Concen: 3.992 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

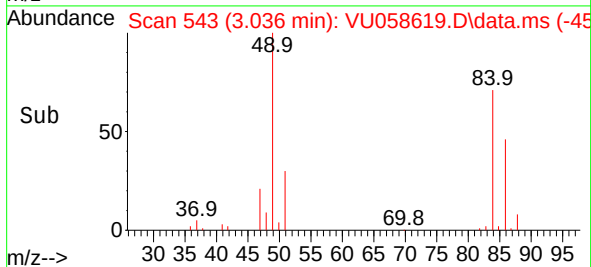
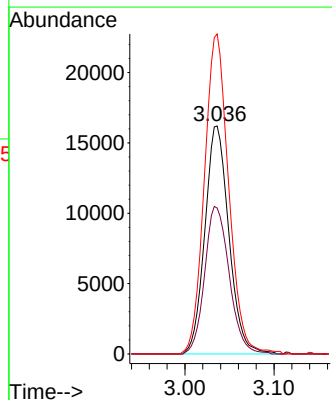
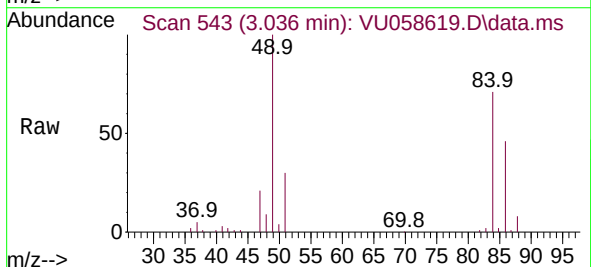
Tgt Ion: 84 Resp: 30396

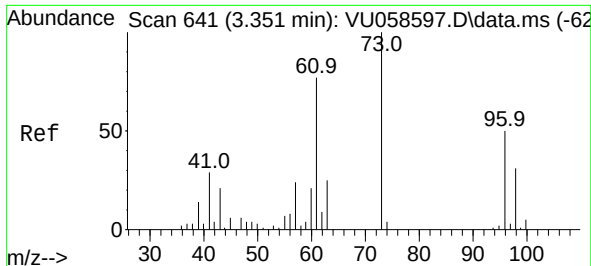
Ion Ratio Lower Upper

84 100

86 64.0 44.3 82.3

49 140.3 96.0 178.2





#17

Methyl tert-butyl Ether

Concen: 4.375 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

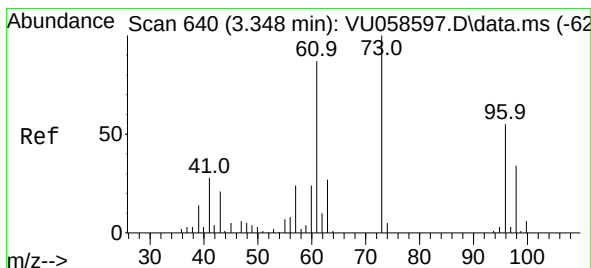
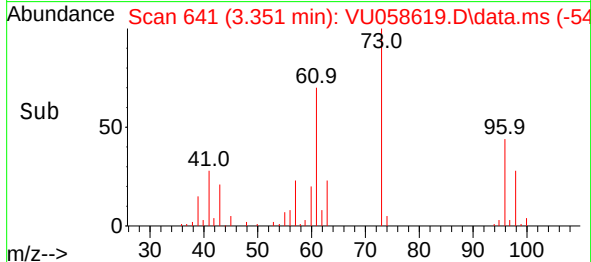
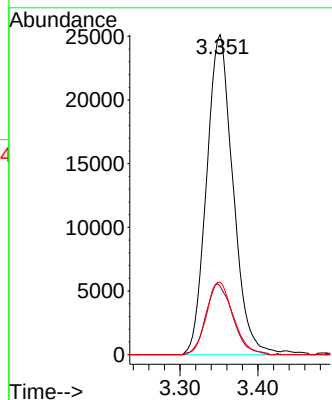
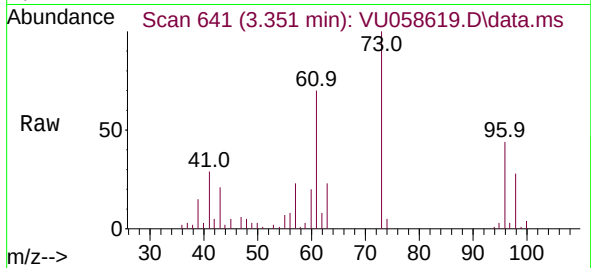
Tgt Ion: 73 Resp: 59297

Ion Ratio Lower Upper

73 100

43 22.5 17.4 26.2

57 23.1 18.6 27.8



#18

trans-1,2-Dichloroethene

Concen: 4.384 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.003 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

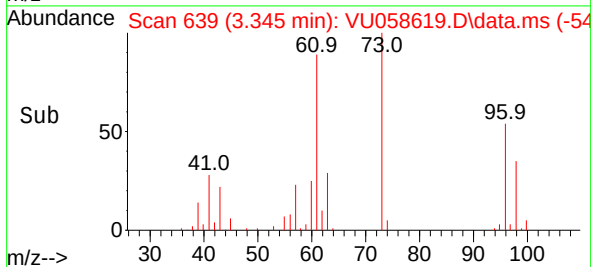
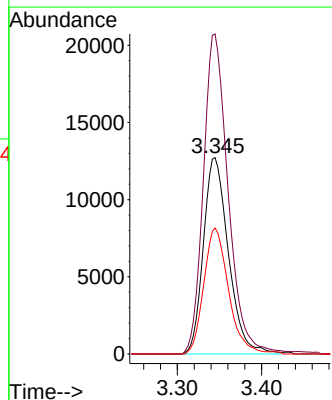
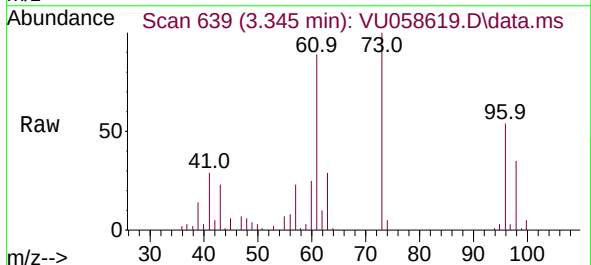
Tgt Ion: 96 Resp: 26361

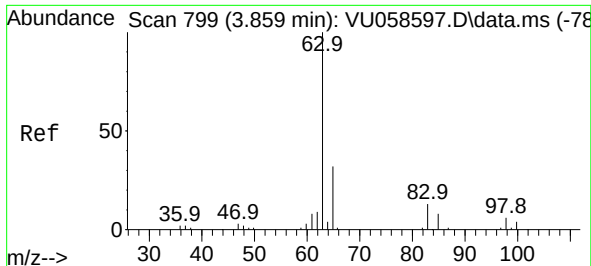
Ion Ratio Lower Upper

96 100

61 163.0 107.6 199.8

98 64.2 45.1 83.7

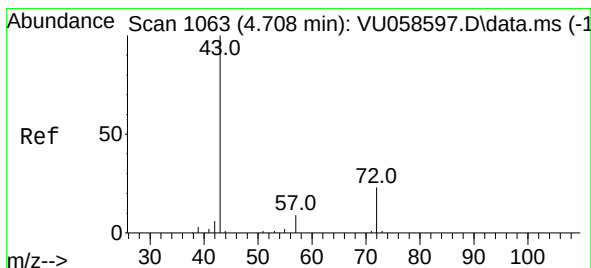
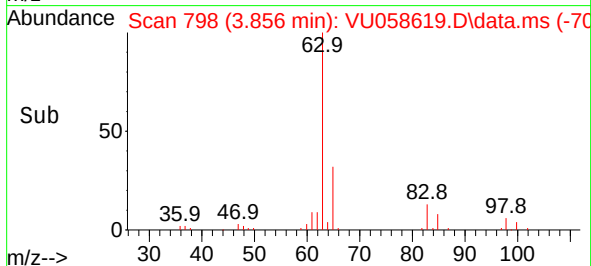
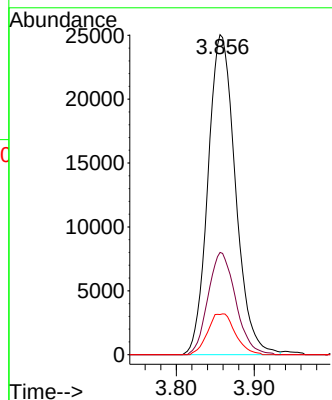
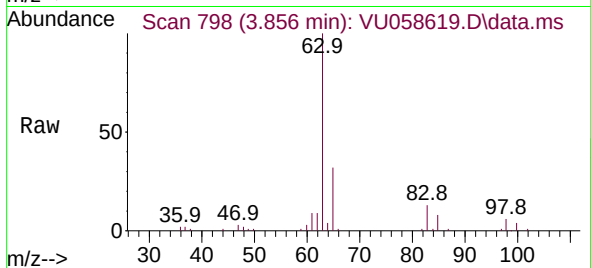




#19
1,1-Dichloroethane
Concen: 4.664 ug/L
RT: 3.856 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

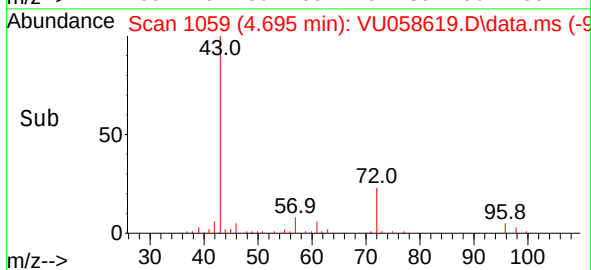
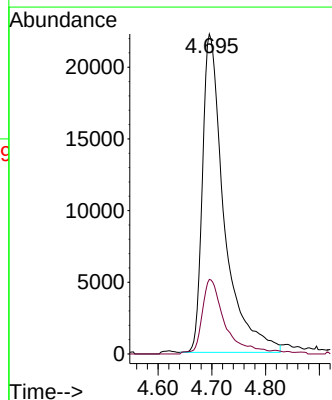
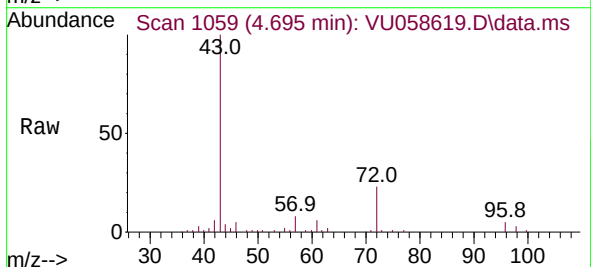
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

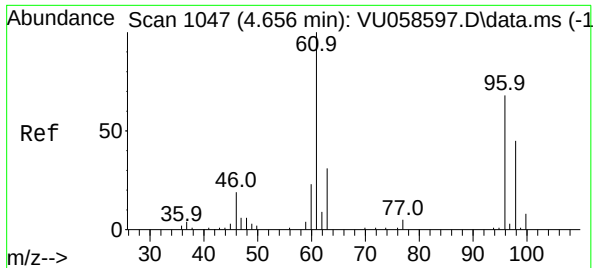
Tgt Ion: 63 Resp: 61215
Ion Ratio Lower Upper
63 100
65 32.0 22.9 42.5
83 12.6 9.6 17.8



#21
2-Butanone
Concen: 43.287 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.013 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion: 43 Resp: 62380
Ion Ratio Lower Upper
43 100
72 24.4 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 4.524 ug/L

RT: 4.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

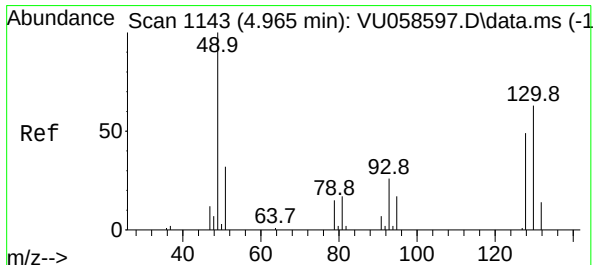
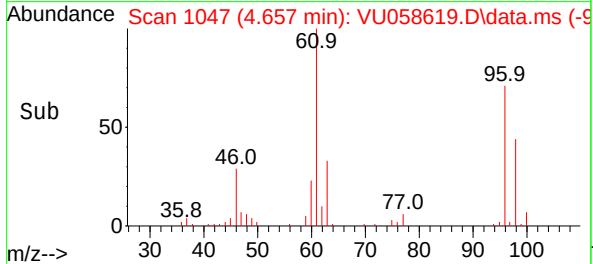
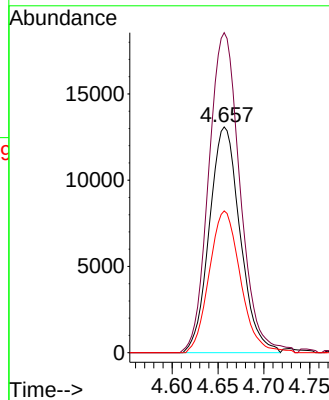
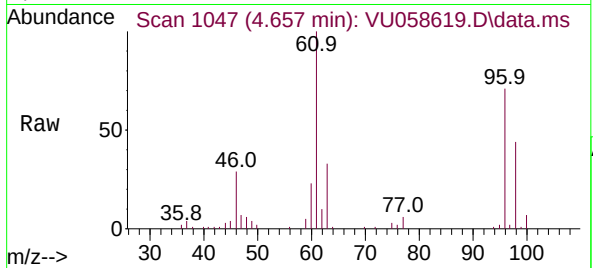
Tgt Ion: 96 Resp: 30551

Ion Ratio Lower Upper

96 100

61 141.7 98.1 182.3

98 62.8 43.6 81.0



#23

Bromochloromethane

Concen: 4.561 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Tgt Ion: 128 Resp: 12137

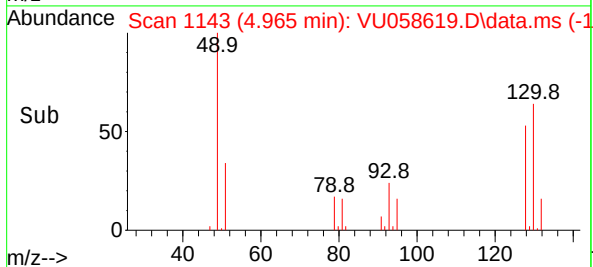
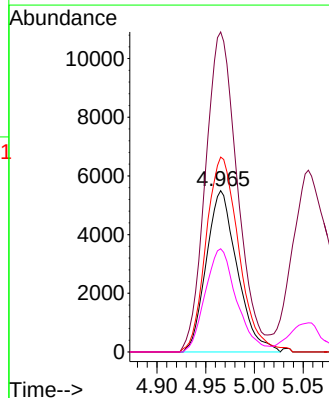
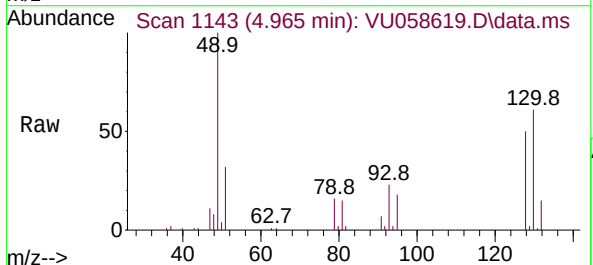
Ion Ratio Lower Upper

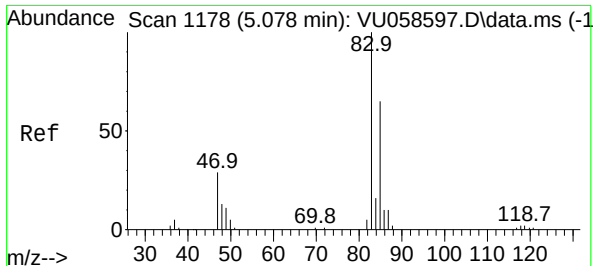
128 100

49 198.3 134.4 249.6

130 120.7 90.0 167.2

51 64.0 51.0 76.6





#25

Chloroform

Concen: 4.682 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

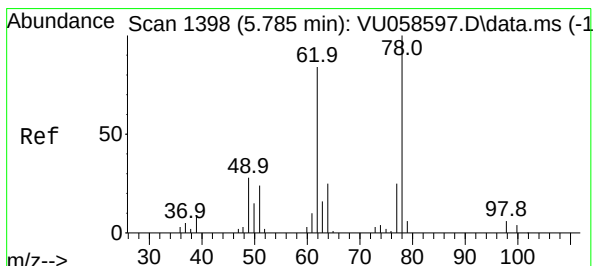
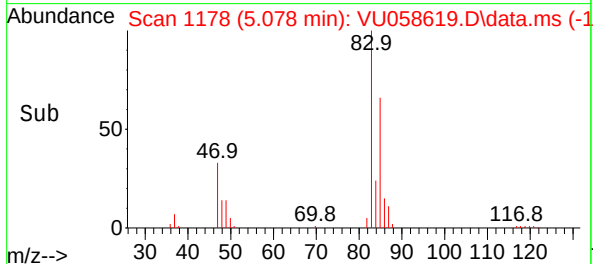
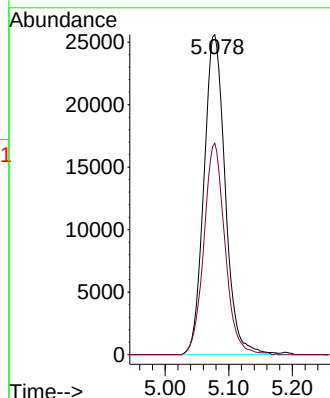
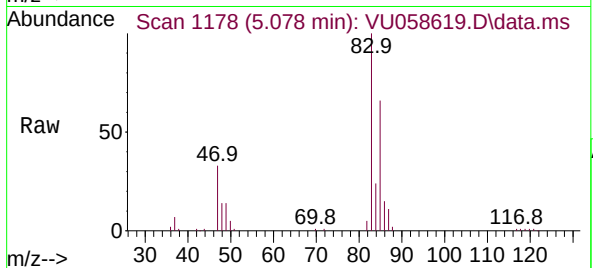
VSTD005195

Tgt Ion: 83 Resp: 59477

Ion Ratio Lower Upper

83 100

85 66.1 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.716 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU058619.D

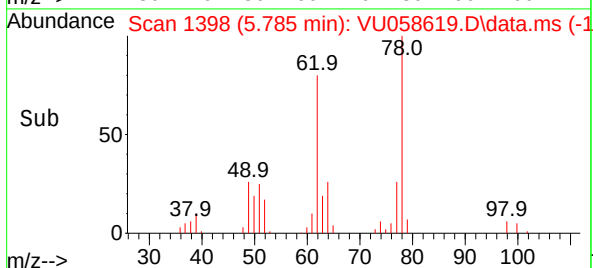
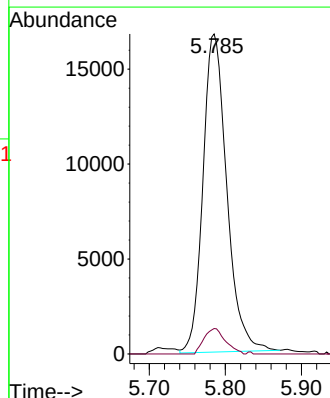
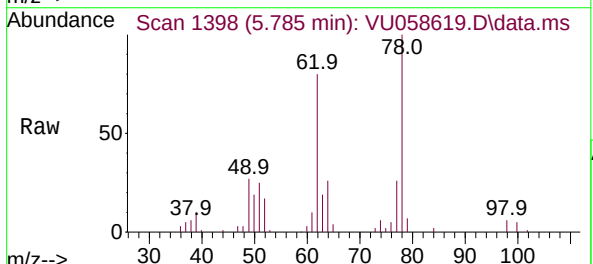
Acq: 11 Apr 2024 19:33

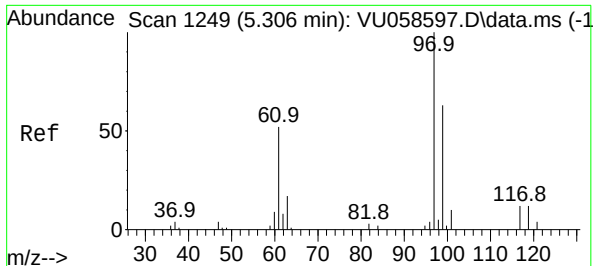
Tgt Ion: 62 Resp: 36487

Ion Ratio Lower Upper

62 100

98 8.0 7.0 10.4

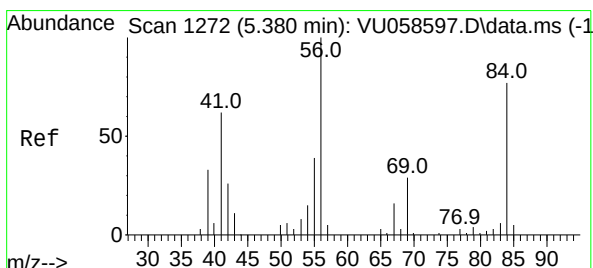
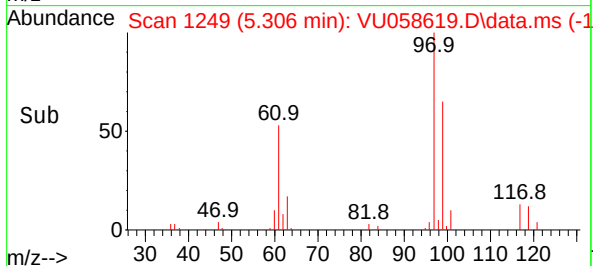
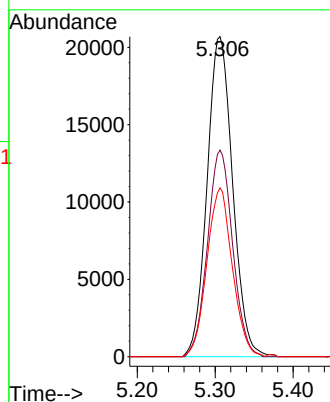
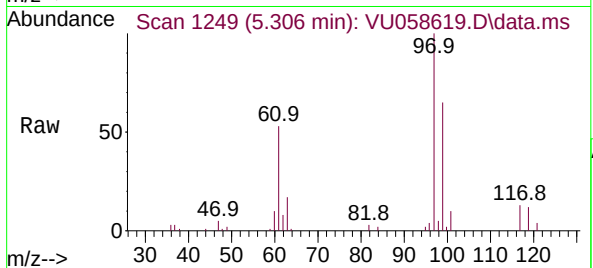




#29
1,1,1-Trichloroethane
Concen: 4.519 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

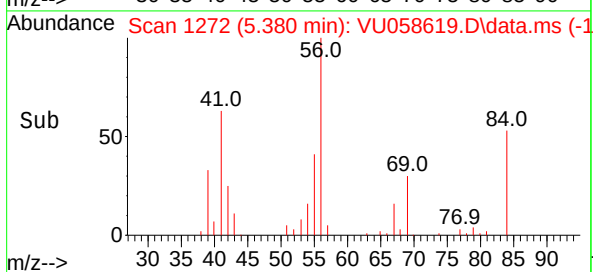
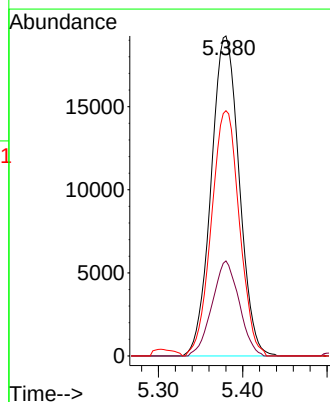
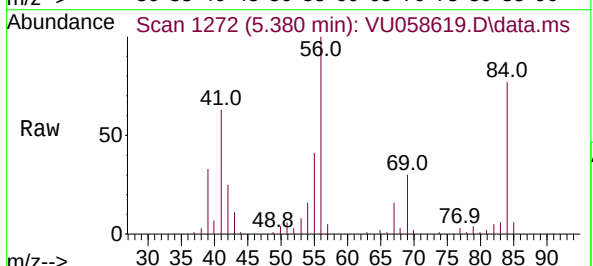
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

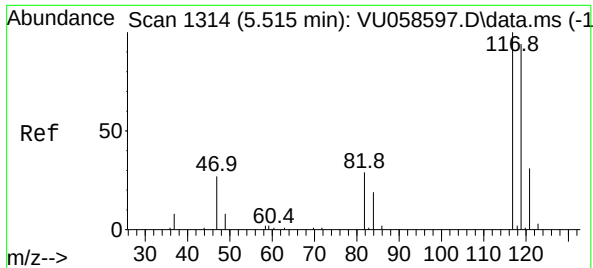
Tgt Ion:	97	Resp:	47247
Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.4	75.6
61	52.4	39.4	59.0



#30
Cyclohexane
Concen: 4.038 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion:	56	Resp:	44589
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.2	34.8
84	76.3	63.3	94.9

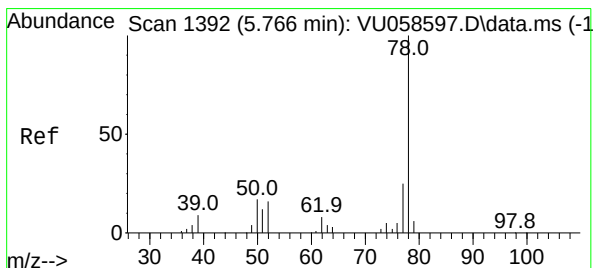
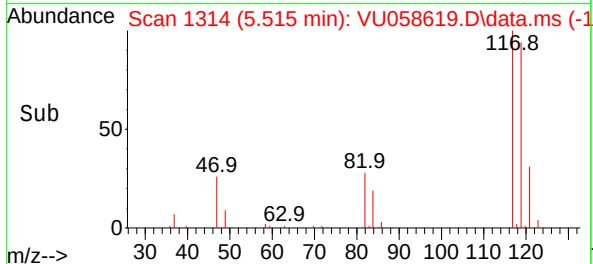
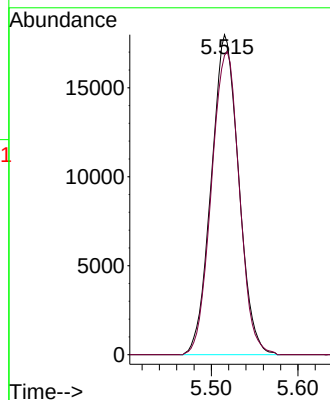
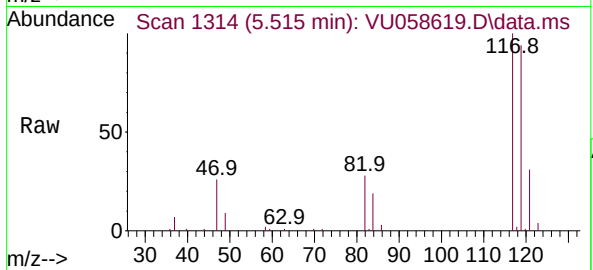




#31
Carbon tetrachloride
Concen: 4.468 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

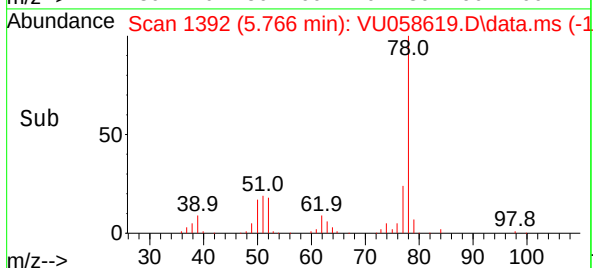
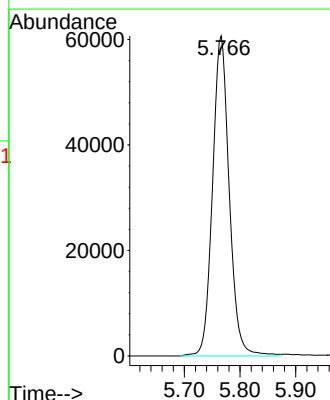
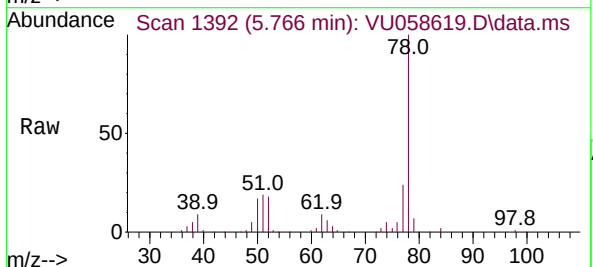
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

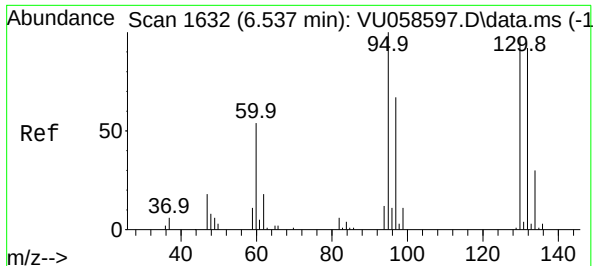
Tgt Ion:117 Resp: 39567
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1



#33
Benzene
Concen: 4.472 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion: 78 Resp: 126432

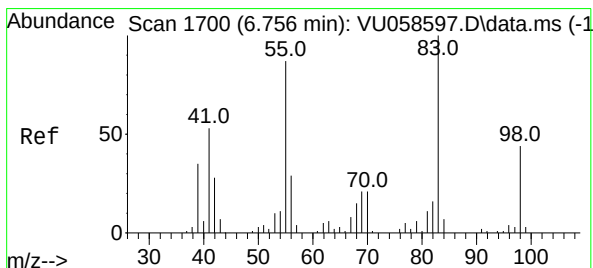
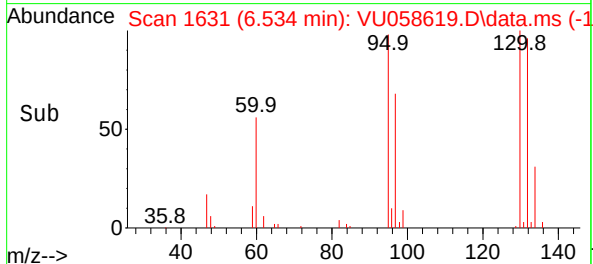
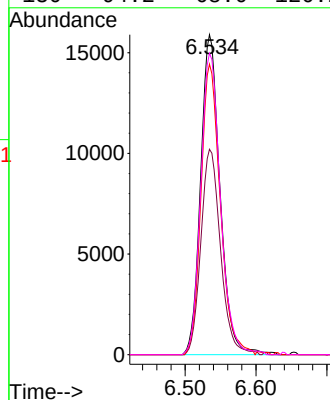
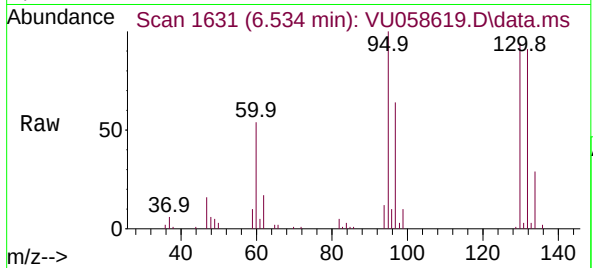




#34
Trichloroethene
Concen: 4.254 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

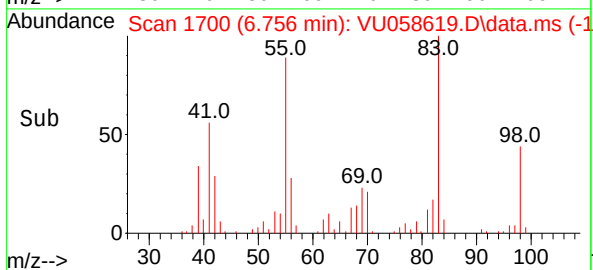
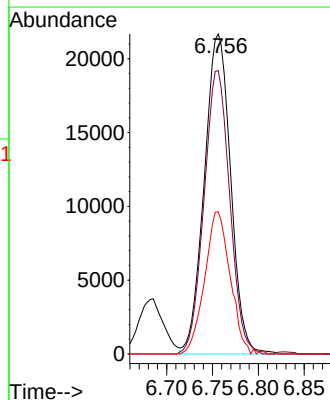
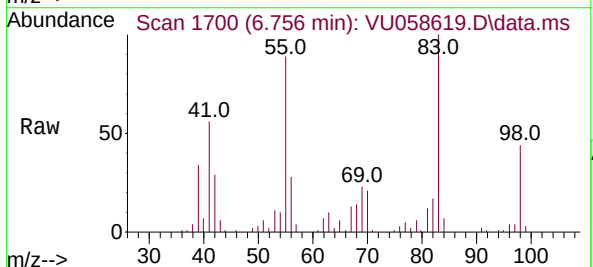
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

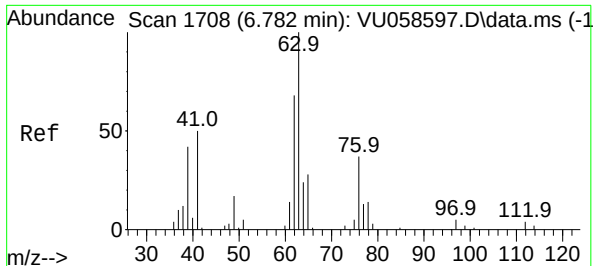
Tgt Ion: 95 Resp: 30311
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.6
132 90.8 64.8 120.3
130 94.2 68.0 126.2



#35
Methylcyclohexane
Concen: 4.036 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion: 83 Resp: 43336
Ion Ratio Lower Upper
83 100
55 86.2 66.2 99.4
98 42.9 34.6 52.0

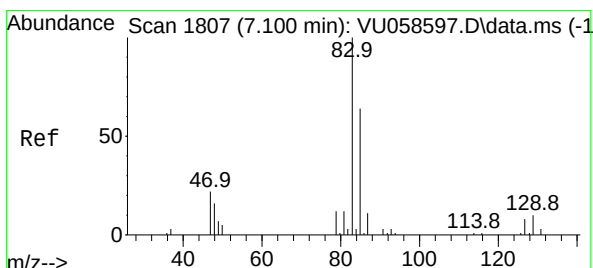
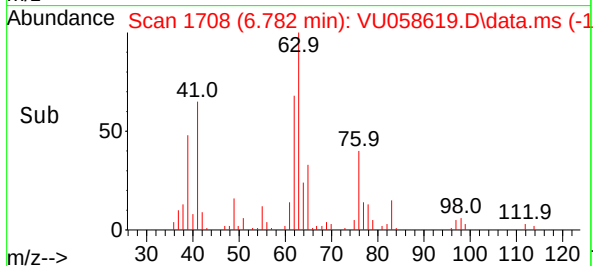
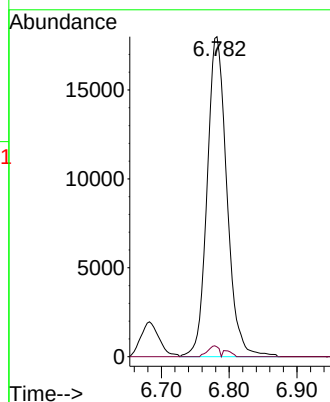
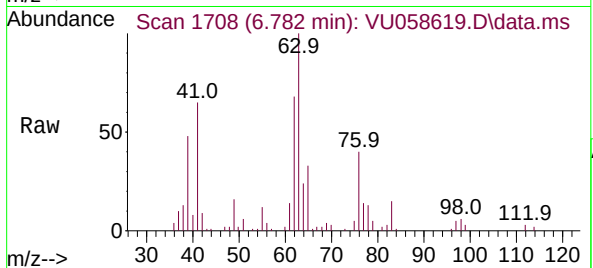




#37
1,2-Dichloropropane
Concen: 4.893 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

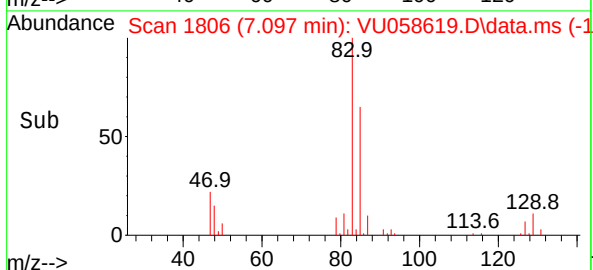
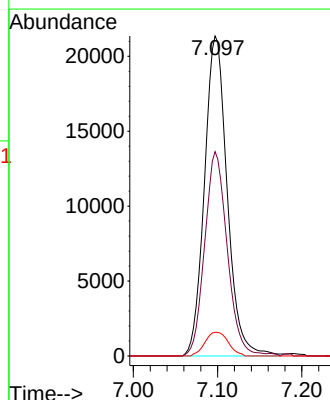
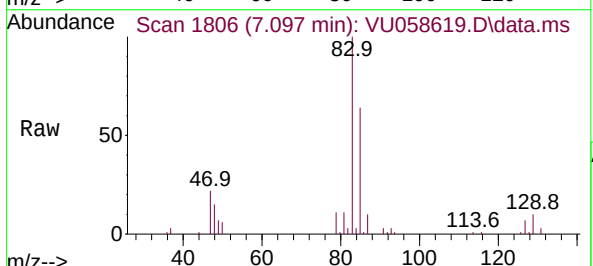
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

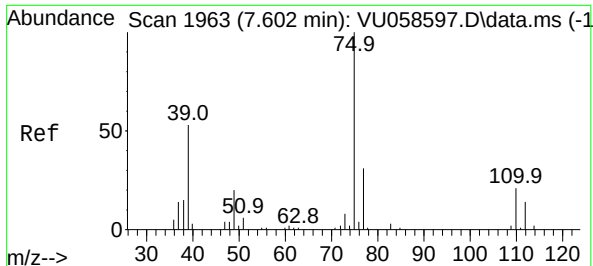
Tgt Ion: 63 Resp: 36396
Ion Ratio Lower Upper
63 100
112 1.9 2.6 4.0#



#38
Bromodichloromethane
Concen: 4.728 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion: 83 Resp: 40139
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.2
127 7.4 6.5 9.7

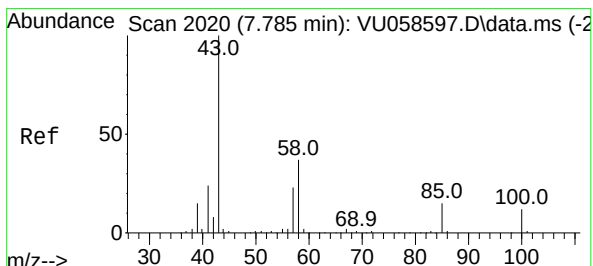
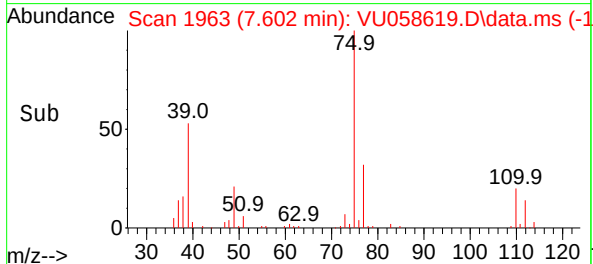
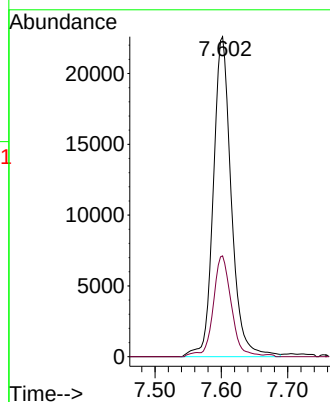
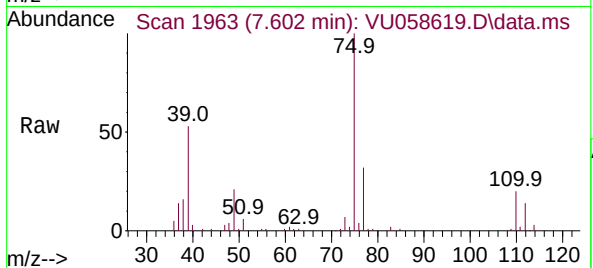




#39
 cis-1,3-Dichloropropene
 Concen: 4.503 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

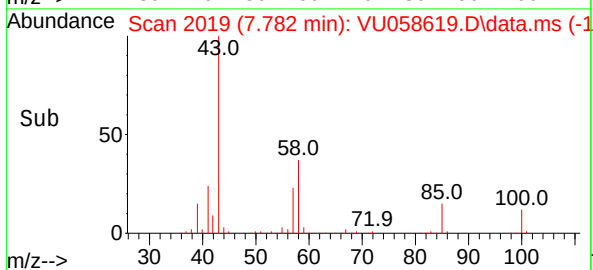
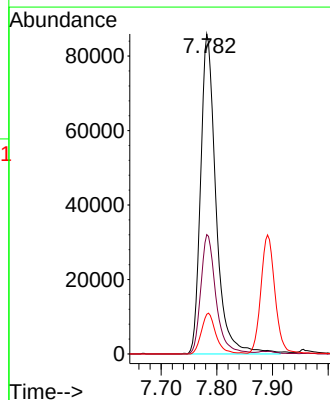
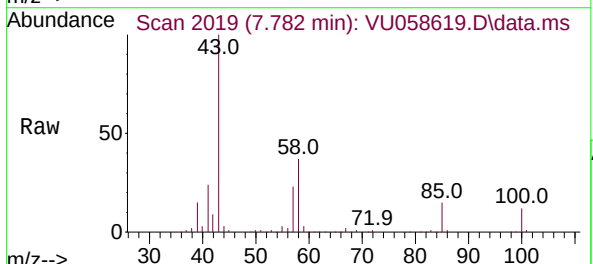
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

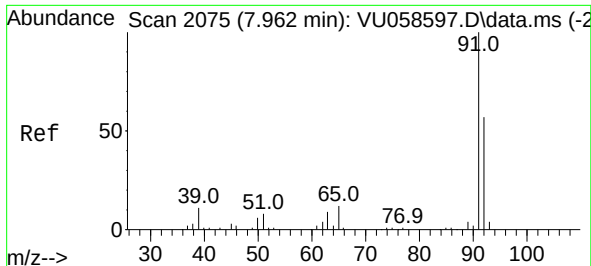
Tgt Ion: 75 Resp: 42585
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 47.176 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

Tgt Ion: 43 Resp: 165157
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.4 45.6
 100 12.2 10.3 15.5





#42

Toluene

Concen: 4.469 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

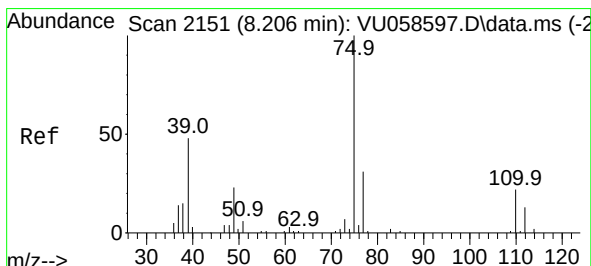
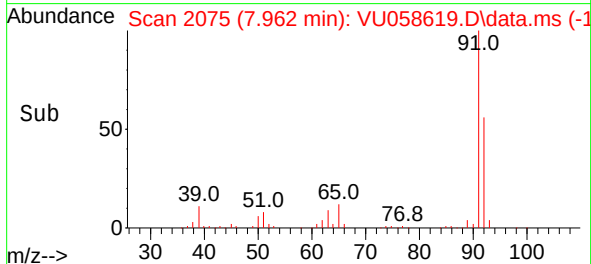
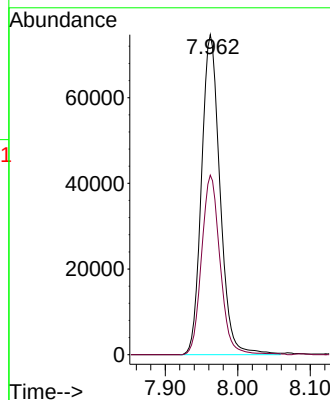
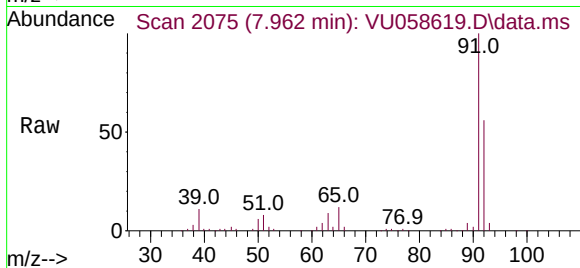
VSTD005195

Tgt Ion: 91 Resp: 132500

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.637 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058619.D

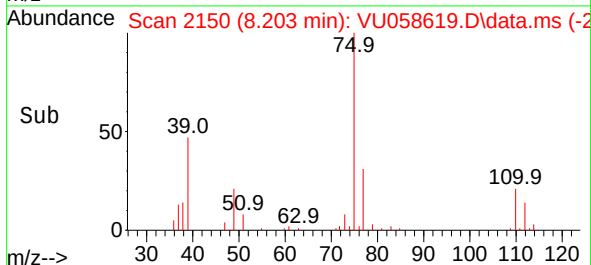
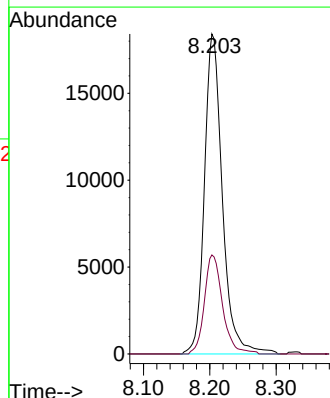
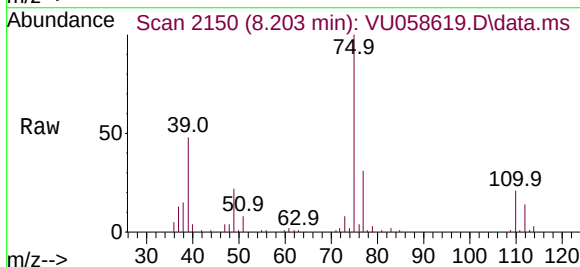
Acq: 11 Apr 2024 19:33

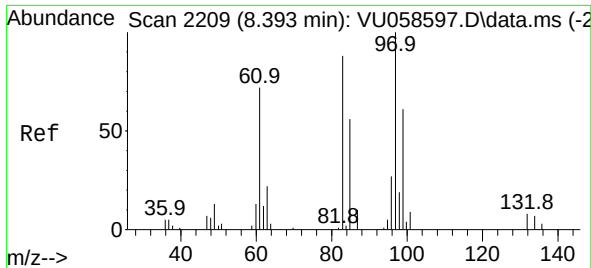
Tgt Ion: 75 Resp: 34586

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2

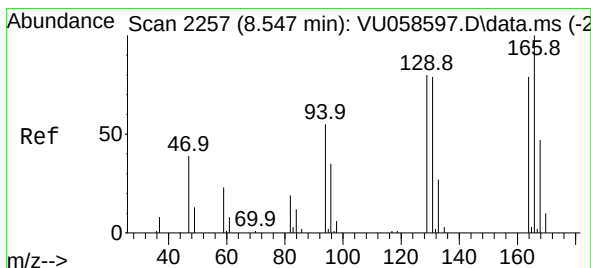
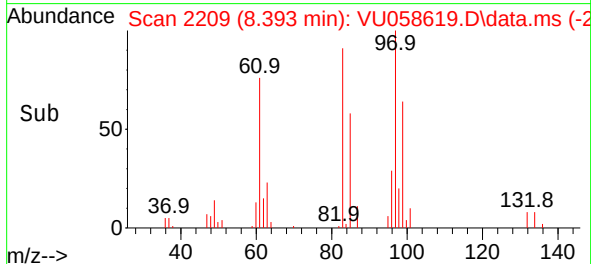
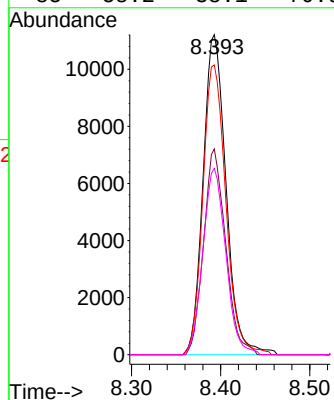
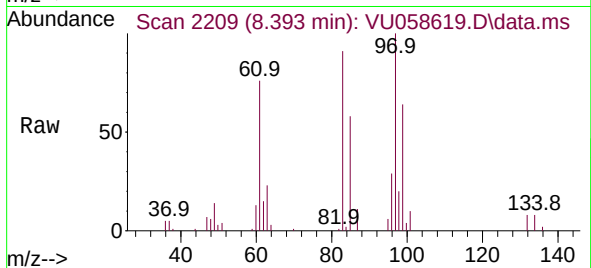




#45
1,1,2-Trichloroethane
Concen: 4.613 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

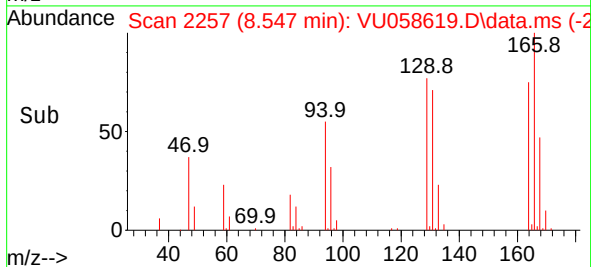
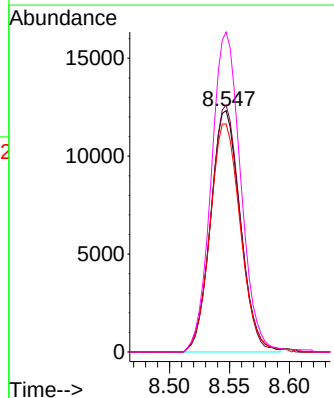
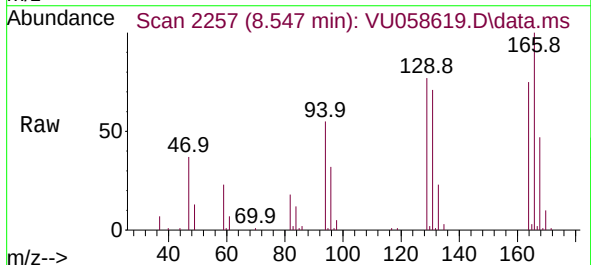
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

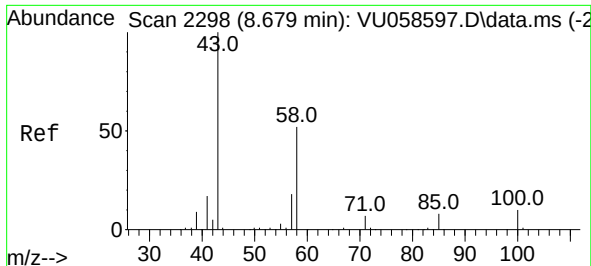
Tgt Ion:	97	Resp:	20037
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.7	81.1
83	90.6	64.5	119.7
85	58.2	38.1	70.9



#47
Tetrachloroethene
Concen: 4.066 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058619.D
Acq: 11 Apr 2024 19:33

Tgt Ion:	164	Resp:	21242
Ion	Ratio	Lower	Upper
164	100		
129	102.3	67.3	125.1
131	94.4	65.5	121.6
166	132.6	89.5	166.1





#48

2-Hexanone

Concen: 46.291 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

Tgt Ion: 43 Resp: 115047

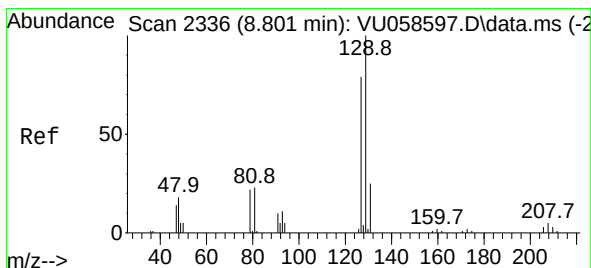
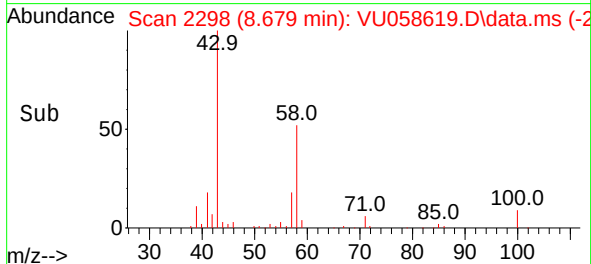
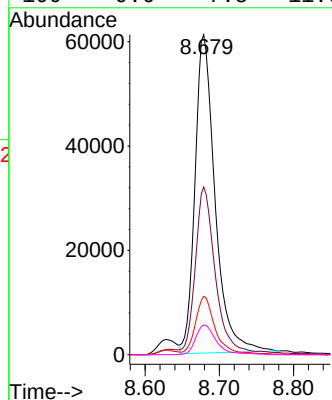
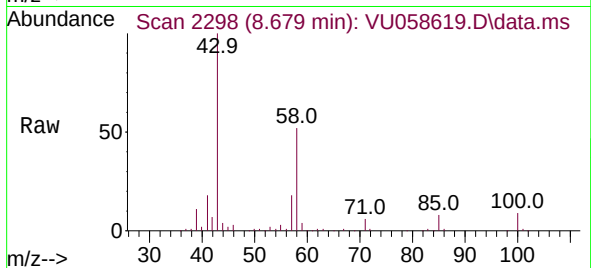
Ion Ratio Lower Upper

43 100

58 52.6 43.2 64.8

57 17.9 15.4 23.0

100 9.6 7.8 11.6



#49

Dibromochloromethane

Concen: 4.585 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU058619.D

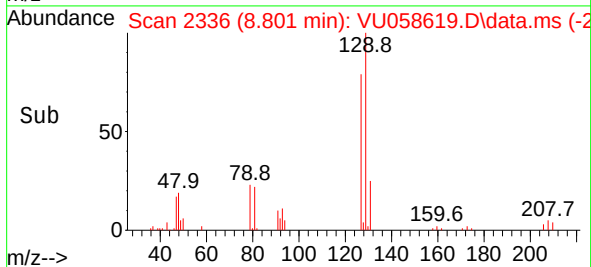
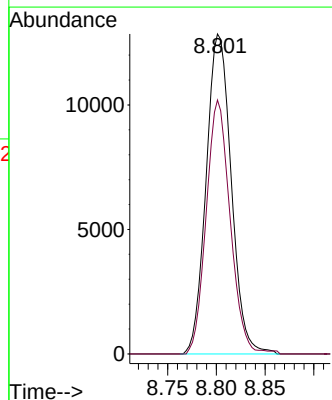
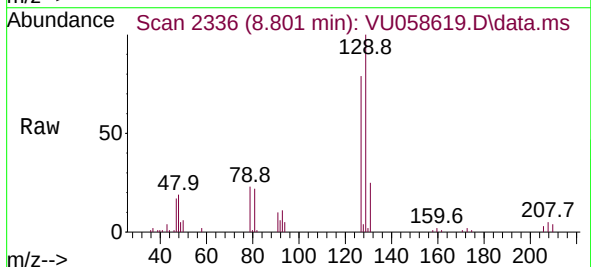
Acq: 11 Apr 2024 19:33

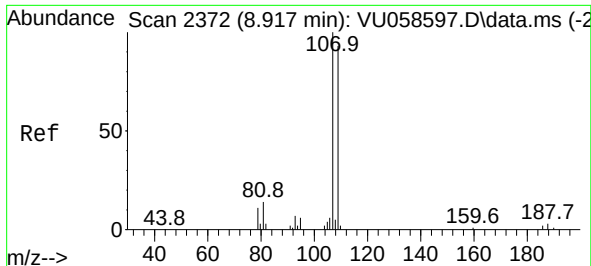
Tgt Ion: 129 Resp: 23028

Ion Ratio Lower Upper

129 100

127 79.4 53.5 99.5





#50

1,2-Dibromoethane

Concen: 4.569 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

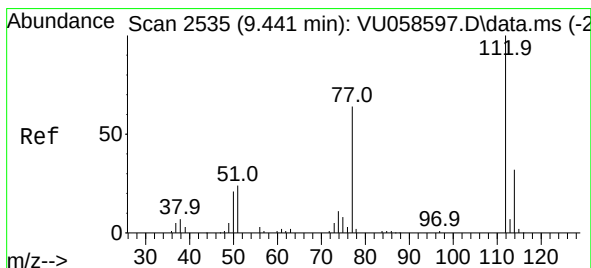
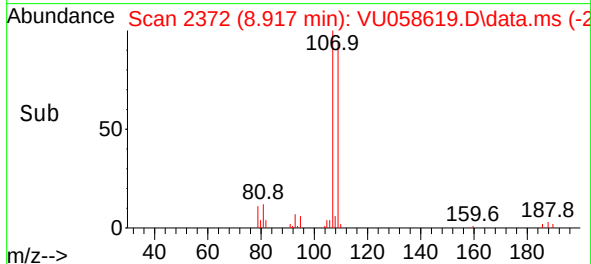
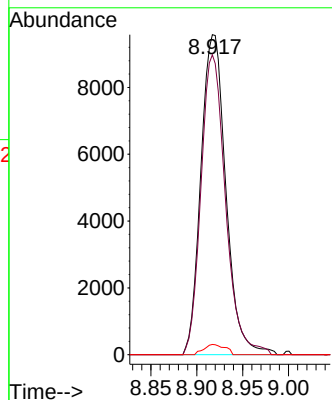
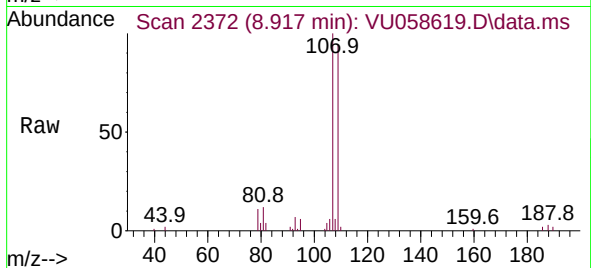
Tgt Ion:107 Resp: 18150

Ion Ratio Lower Upper

107 100

109 93.7 67.3 124.9

188 3.2 2.5 3.7



#51

Chlorobenzene

Concen: 4.379 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

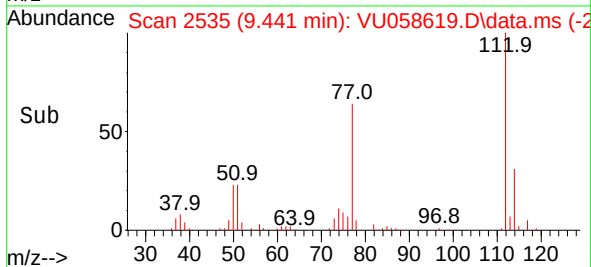
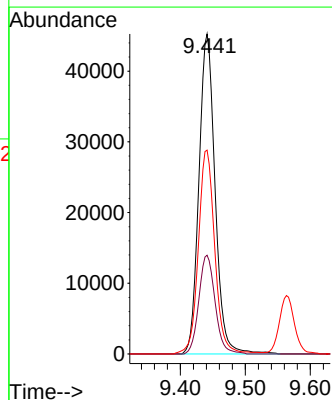
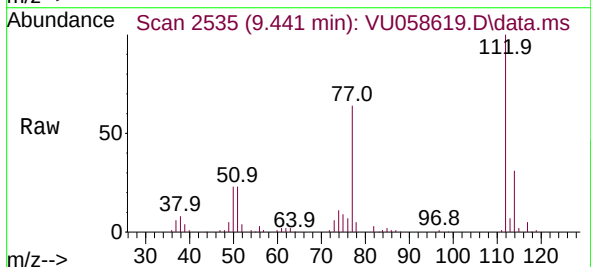
Tgt Ion:112 Resp: 78574

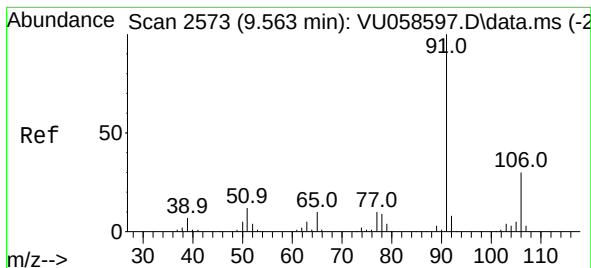
Ion Ratio Lower Upper

112 100

114 30.9 22.4 41.6

77 63.7 50.1 75.1





#52

Ethylbenzene

Concen: 4.293 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

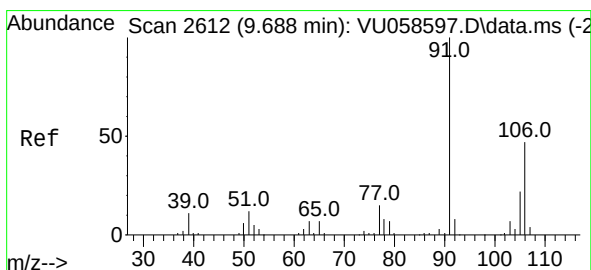
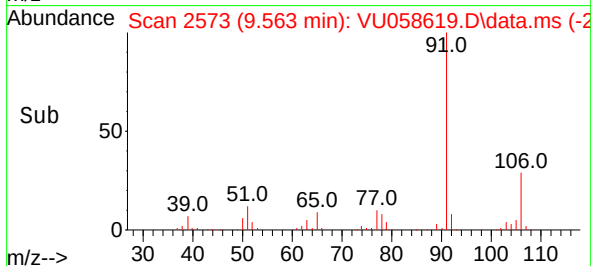
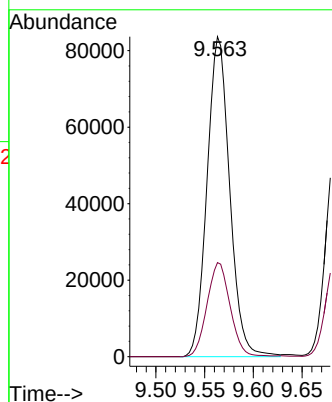
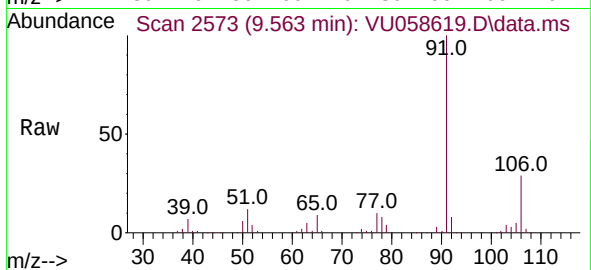
VSTD005195

Tgt Ion: 91 Resp: 134866

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



#53

m,p-Xylene

Concen: 4.408 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058619.D

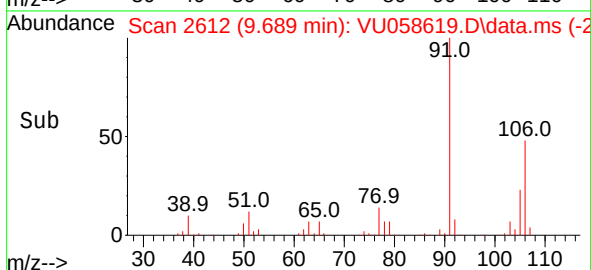
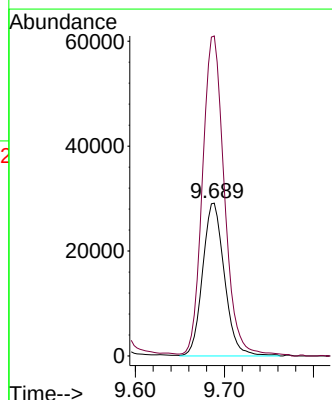
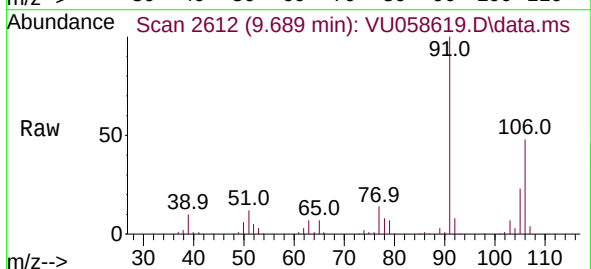
Acq: 11 Apr 2024 19:33

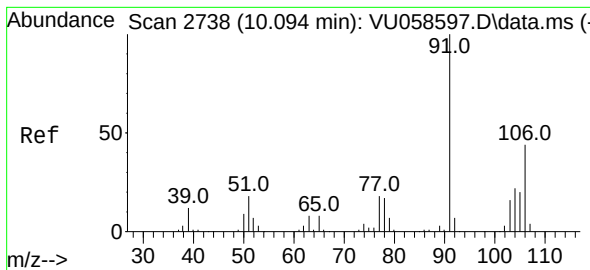
Tgt Ion:106 Resp: 49586

Ion Ratio Lower Upper

106 100

91 209.3 147.8 274.4





#54

o-Xylene

Concen: 4.405 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

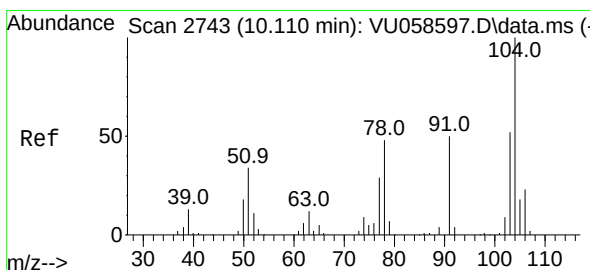
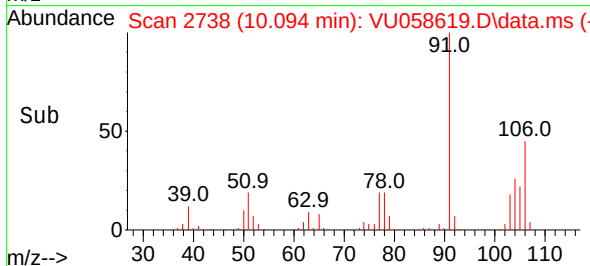
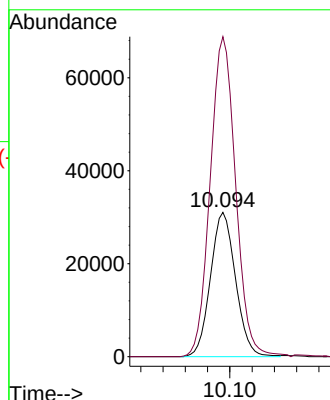
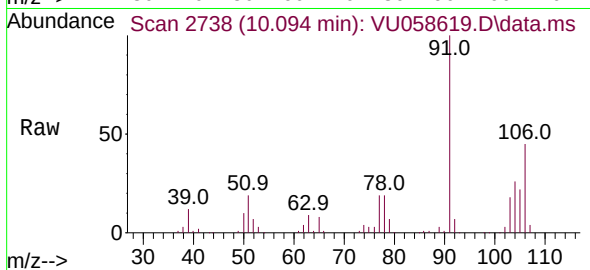
VSTD005195

Tgt Ion:106 Resp: 48575

Ion Ratio Lower Upper

106 100

91 221.7 156.9 291.5



#55

Styrene

Concen: 4.502 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU058619.D

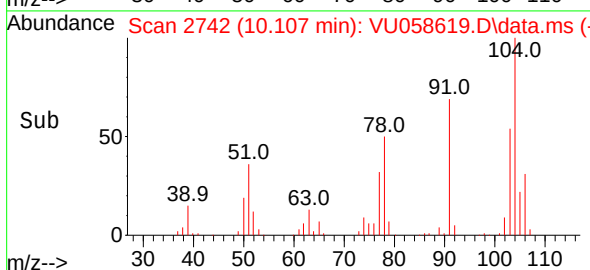
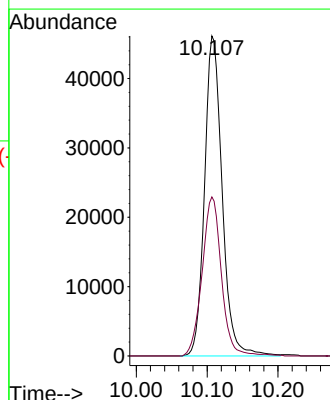
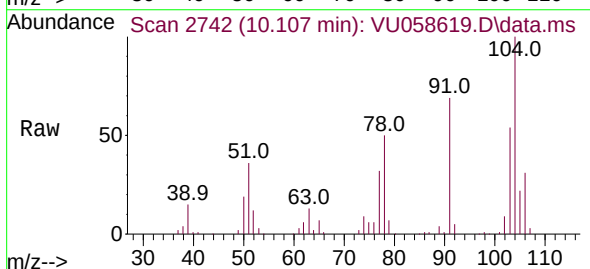
Acq: 11 Apr 2024 19:33

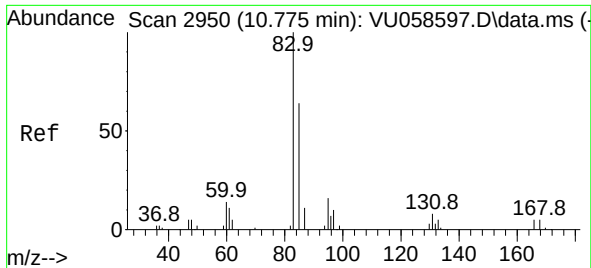
Tgt Ion:104 Resp: 79880

Ion Ratio Lower Upper

104 100

78 49.7 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.571 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

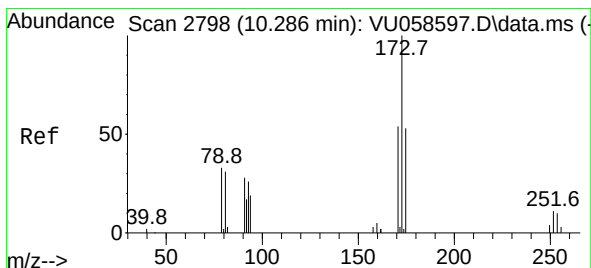
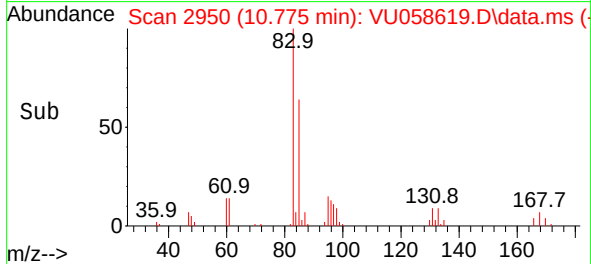
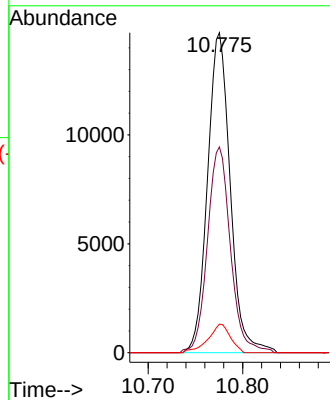
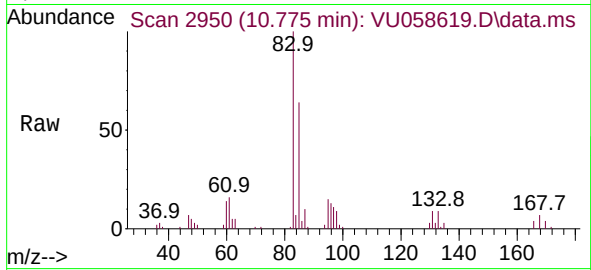
Tgt Ion: 83 Resp: 24491

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

131 8.9 6.9 10.3



#59

Bromoform

Concen: 4.444 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

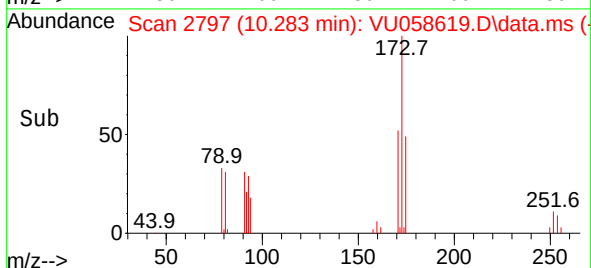
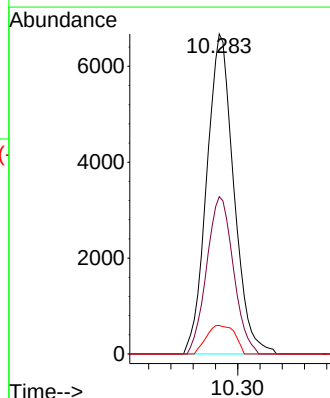
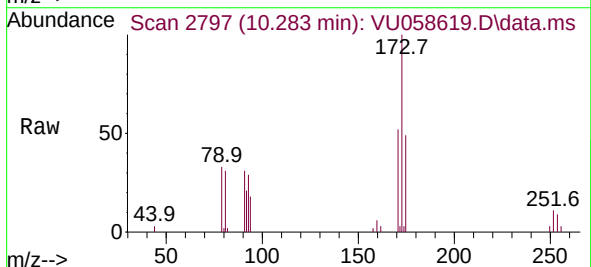
Tgt Ion:173 Resp: 11261

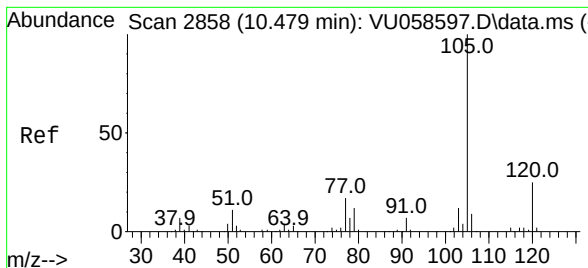
Ion Ratio Lower Upper

173 100

175 48.4 38.0 57.0

254 9.3 7.5 11.3





#60

Isopropylbenzene

Concen: 4.397 ug/L

RT: 10.476 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

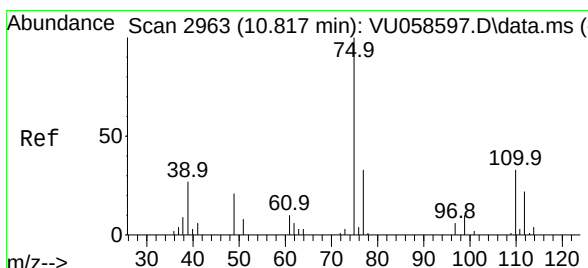
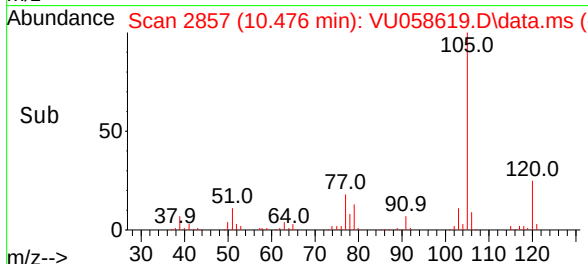
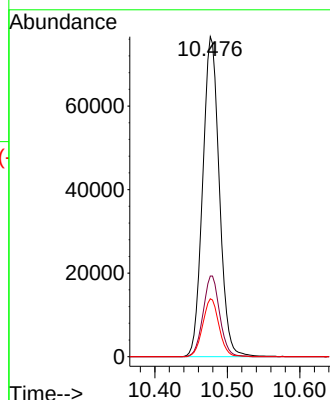
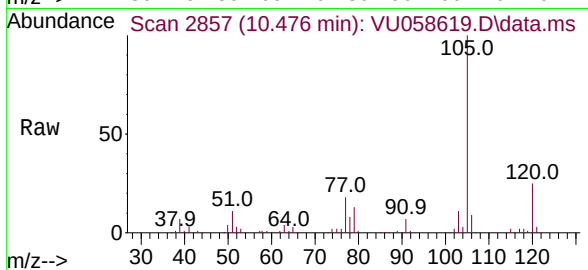
Tgt Ion:105 Resp: 122075

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.4

77 17.7 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 4.580 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

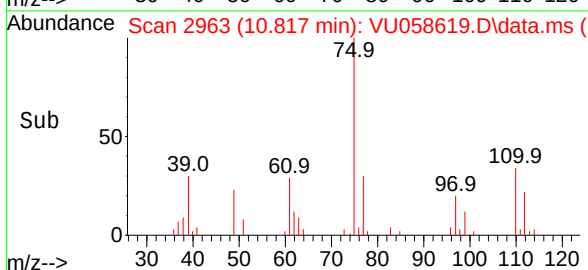
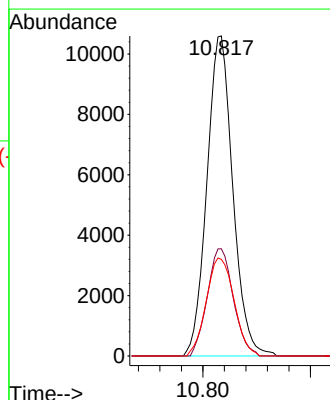
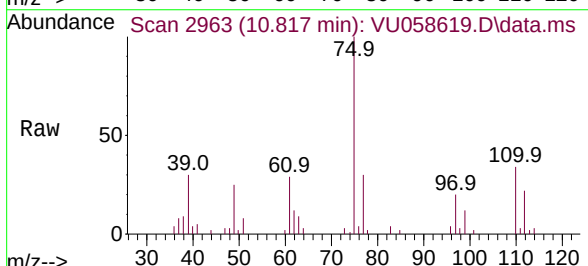
Tgt Ion: 75 Resp: 17724

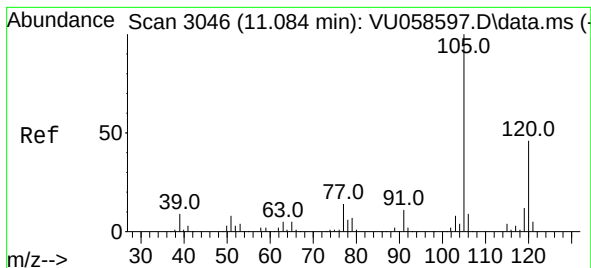
Ion Ratio Lower Upper

75 100

110 33.6 25.8 38.6

77 32.8 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 4.332 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

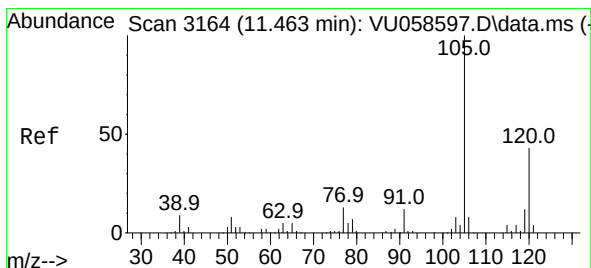
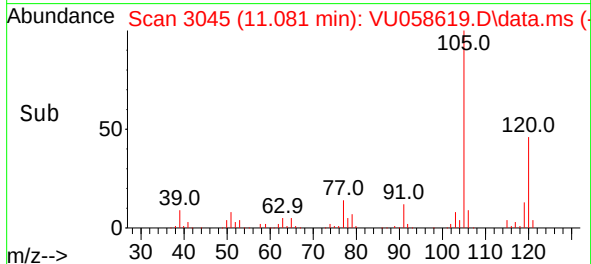
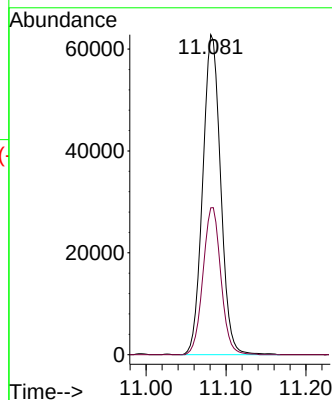
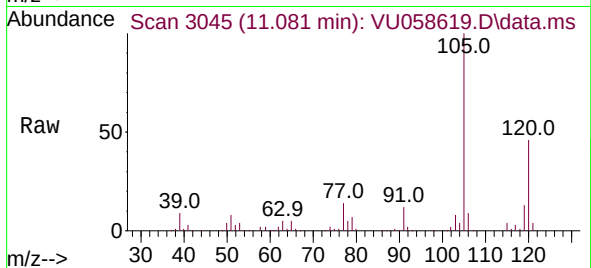
VSTD005195

Tgt Ion:105 Resp: 98088

Ion Ratio Lower Upper

105 100

120 45.9 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 4.369 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058619.D

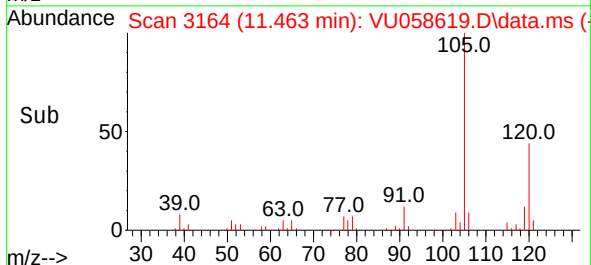
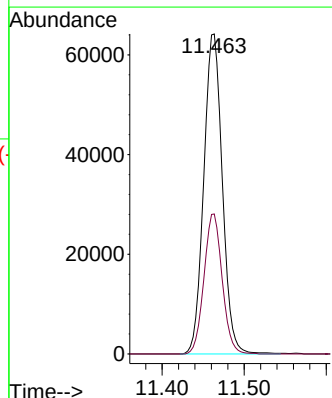
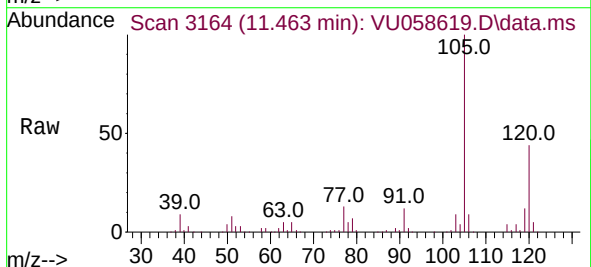
Acq: 11 Apr 2024 19:33

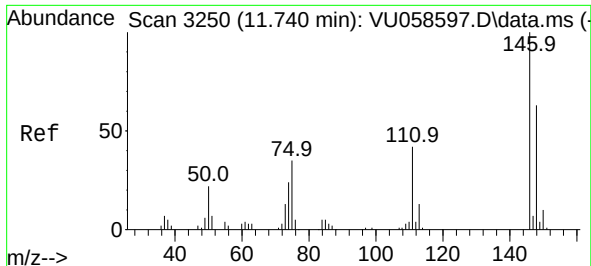
Tgt Ion:105 Resp: 101010

Ion Ratio Lower Upper

105 100

120 42.8 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.305 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

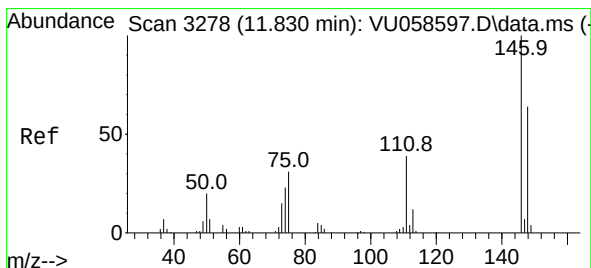
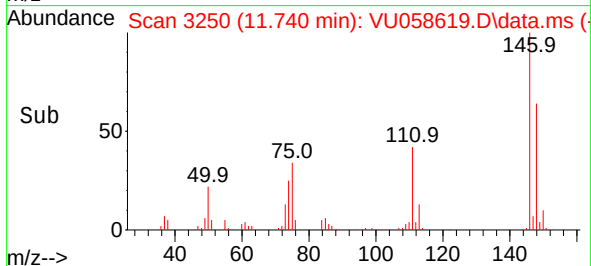
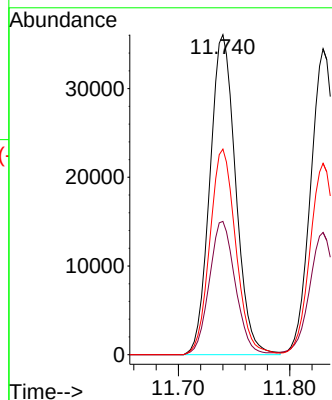
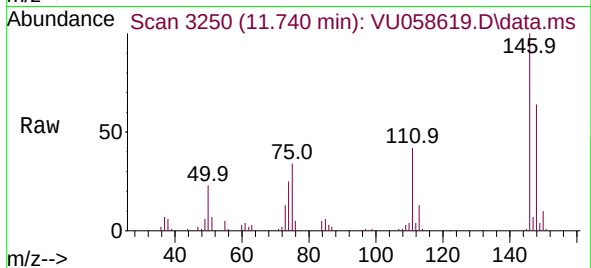
Tgt Ion:146 Resp: 58067

Ion Ratio Lower Upper

146 100

111 41.6 28.8 53.4

148 64.2 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 4.281 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

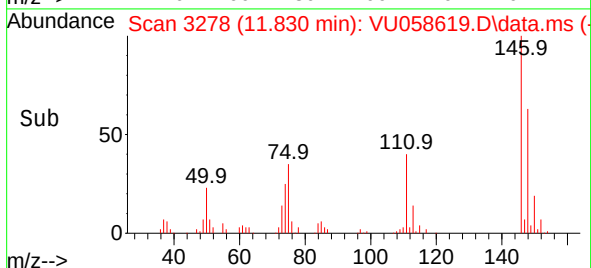
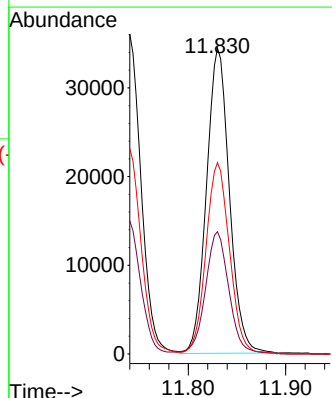
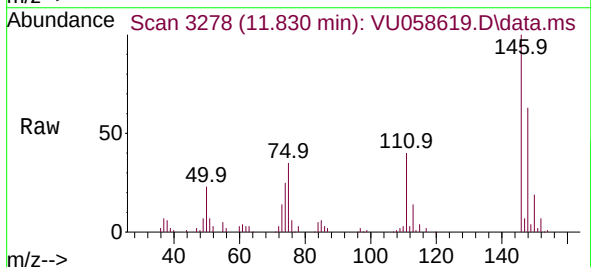
Tgt Ion:146 Resp: 56249

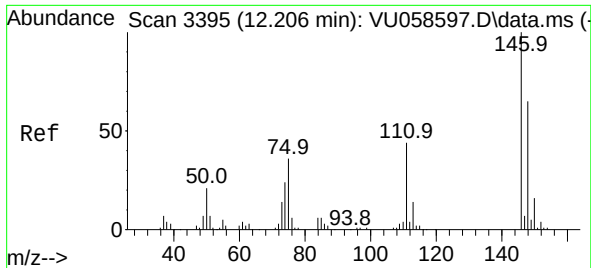
Ion Ratio Lower Upper

146 100

111 40.0 28.8 53.6

148 62.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.306 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

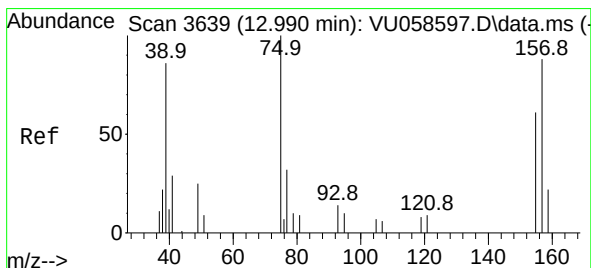
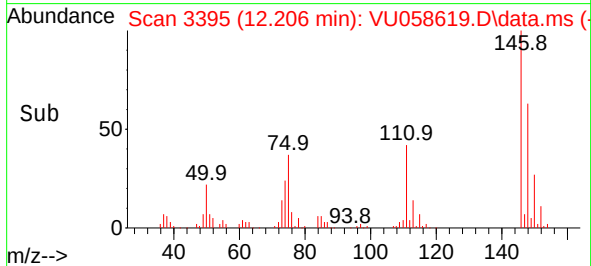
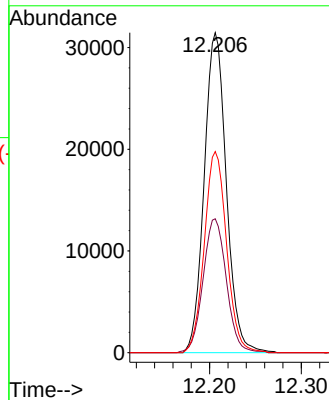
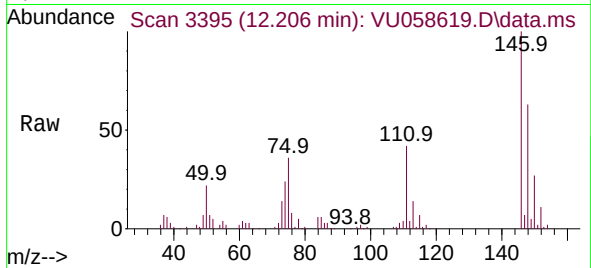
Tgt Ion:146 Resp: 52825

Ion Ratio Lower Upper

146 100

111 41.9 35.0 52.4

148 62.9 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.837 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

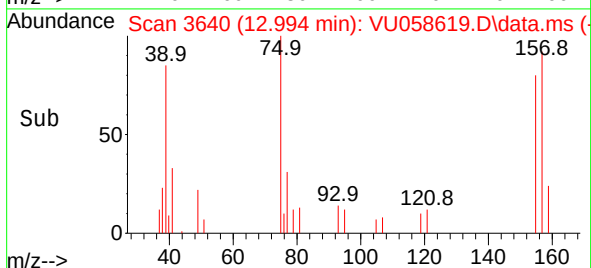
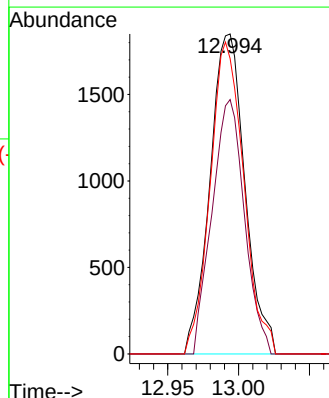
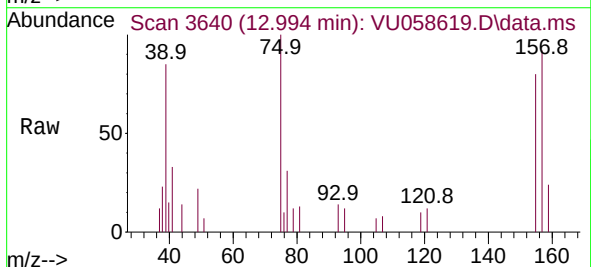
Tgt Ion: 75 Resp: 3174

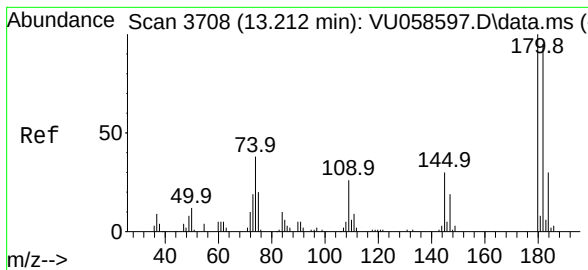
Ion Ratio Lower Upper

75 100

155 79.5 61.4 92.0

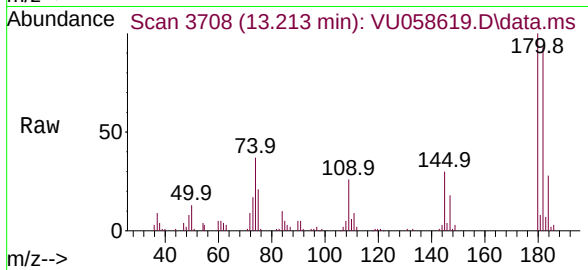
157 92.3 81.7 122.5



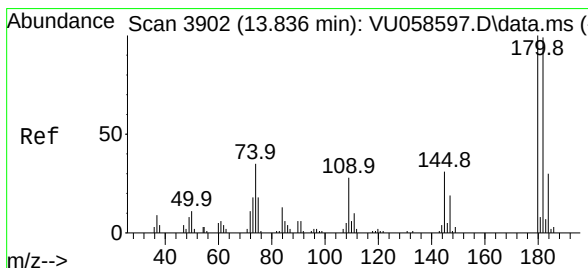
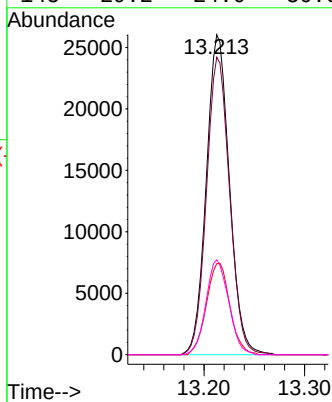
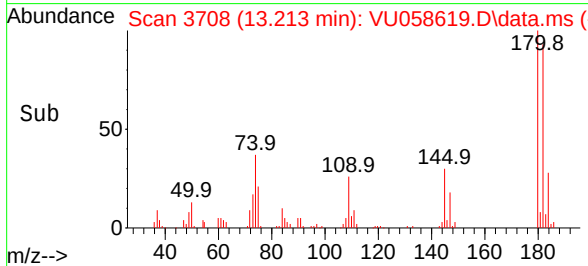


#69
 1,3,5-Trichlorobenzene
 Concen: 4.170 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33

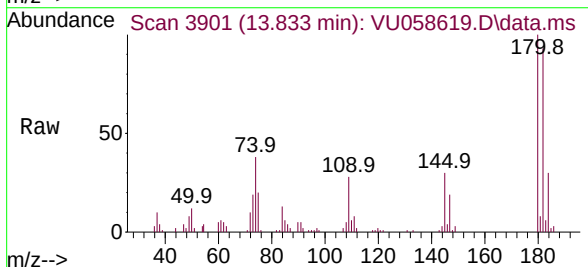
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195



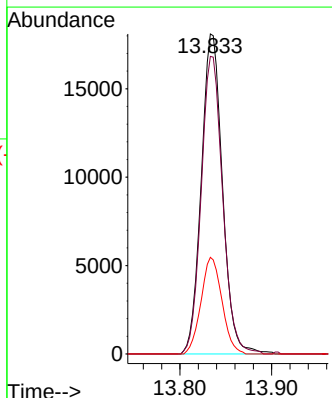
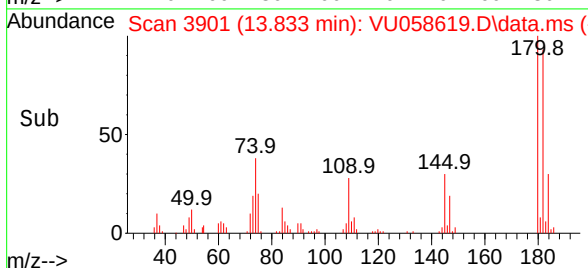
Tgt Ion:180 Resp: 41588
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.7 113.5
 184 28.9 24.3 36.5
 145 29.2 24.0 36.0

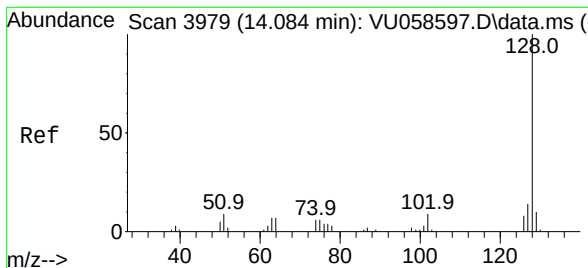


#70
 1,2,4-trichlorobenzene
 Concen: 3.780 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU058619.D
 Acq: 11 Apr 2024 19:33



Tgt Ion:180 Resp: 29071
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.4 111.6
 145 29.8 24.1 36.1





#71

Naphthalene

Concen: 3.215 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

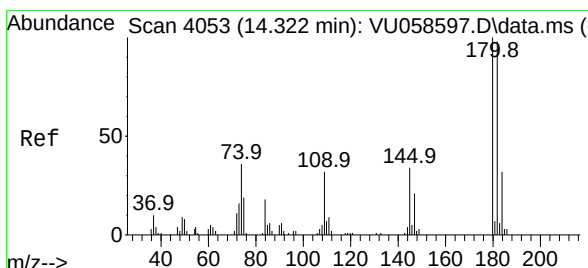
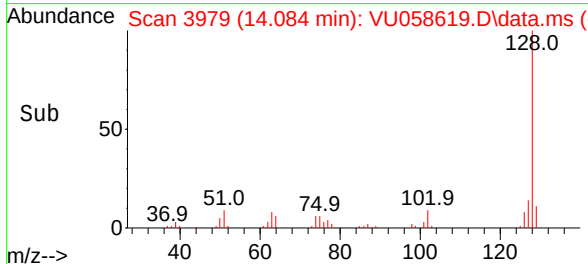
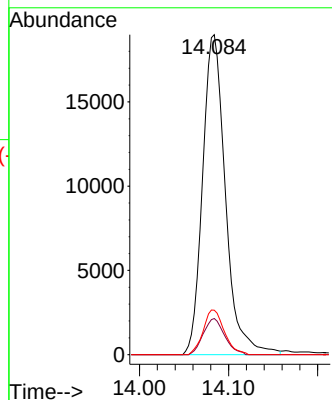
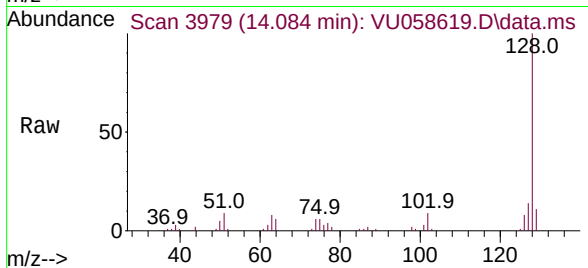
Tgt Ion:128 Resp: 33879

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 12.9 11.0 16.6



#72

1,2,3-Trichlorobenzene

Concen: 3.813 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU058619.D

Acq: 11 Apr 2024 19:33

Tgt Ion:180 Resp: 24219

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 31.7 25.2 37.8

