

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112823\
 Data File : VU056619.D
 Acq On : 28 Nov 2023 10:03
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 23:45:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 27 22:31:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	304715	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	309049	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	149714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94929	4.165	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.907	69	63995	3.662	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.563	65	41721	4.148	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	4.621	46	231093	50.849	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.700%
24) Chloroform-d	5.055	84	203233	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.695	65	94631	4.645	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.721	84	376176	4.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.685	67	115620	4.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.894	98	339456	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	8.177	79	47397	4.453	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.634	63	207659	49.649	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	90988	4.588	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	114638	4.145	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	100800	4.175	ug/L	97
3) Chloromethane	1.515	50	97641	3.958	ug/L	99
5) Vinyl chloride	1.602	62	104421	4.393	ug/L	95
6) Bromomethane	1.856	94	48465	4.028	ug/L	96
8) Chloroethane	1.930	64	54057	3.723	ug/L	100
9) Trichlorofluoromethane	2.132	101	164784	4.810	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	103951	5.111	ug/L	99
12) 1,1-Dichloroethene	2.576	96	87931	4.714	ug/L	94
13) Acetone	2.631	43	170079	43.940	ug/L	99
14) Carbon disulfide	2.788	76	226253	3.727	ug/L	99
15) Methyl Acetate	2.949	43	31986	4.644	ug/L	96
16) Methylene chloride	3.039	84	107816	4.368	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	226886	5.006	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	88752	4.624	ug/L	97
19) 1,1-Dichloroethane	3.859	63	193023	5.077	ug/L	100
21) 2-Butanone	4.702	43	236510	47.089	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	109995	5.054	ug/L	97
23) Bromochloromethane	4.968	128	44736	4.994	ug/L	97
25) Chloroform	5.081	83	204502	4.965	ug/L	100

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Instrument :
 MSVOA_U
 ClientSampleId :

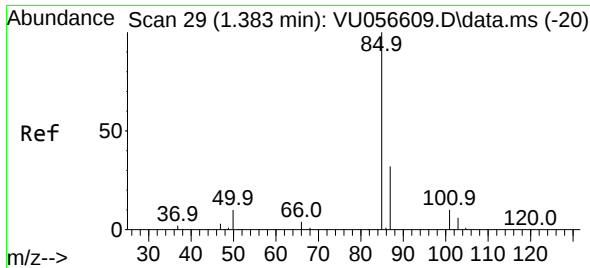
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	115832	4.953	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	176749	4.982	ug/L	100
30) Cyclohexane	5.383	56	139758	4.151	ug/L	99
31) Carbon tetrachloride	5.518	117	148385	4.870	ug/L	97
33) Benzene	5.769	78	405834	4.602	ug/L	100
34) Trichloroethene	6.537	95	110715	4.608	ug/L	98
35) Methylcyclohexane	6.759	83	150882	4.350	ug/L	100
37) 1,2-Dichloropropane	6.785	63	109435	4.759	ug/L	99
38) Bromodichloromethane	7.100	83	142700	4.807	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	166353	4.923	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	585402	51.354	ug/L	100
42) Toluene	7.965	91	452756	4.959	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	133525	4.957	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	80243	5.239	ug/L	97
47) Tetrachloroethene	8.550	164	82854	5.114	ug/L	97
48) 2-Hexanone	8.685	43	438925	49.425	ug/L	99
49) Dibromochloromethane	8.807	129	92719	5.324	ug/L	99
50) 1,2-Dibromoethane	8.920	107	71339	4.934	ug/L	98
51) Chlorobenzene	9.444	112	296625	5.056	ug/L	99
52) Ethylbenzene	9.566	91	509667	5.027	ug/L	99
53) m,p-Xylene	9.692	106	187870	5.041	ug/L	98
54) o-Xylene	10.097	106	184130	5.086	ug/L	99
55) Styrene	10.113	104	313994	5.214	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	98427	5.263	ug/L	96
59) Bromoform	10.290	173	50382	5.402	ug/L	99
60) Isopropylbenzene	10.479	105	500321	5.182	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	65292	5.083	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	408736	5.156	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	412823	5.275	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	224136	5.103	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	221471	5.027	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	200456	4.975	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	12210	4.450	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	169399	5.123	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	123058	4.569	ug/L	99
71) Naphthalene	14.084	128	174080	4.278	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	103046	4.645	ug/L	99

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

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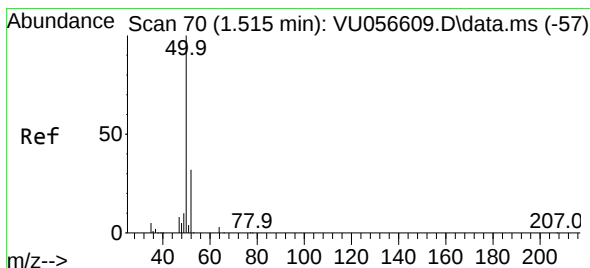
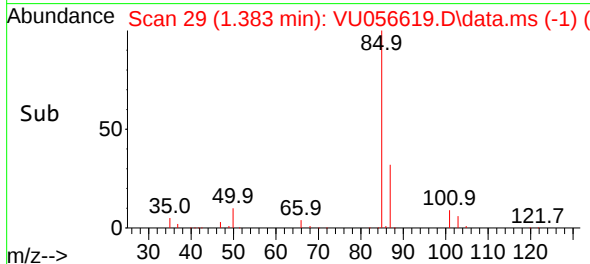
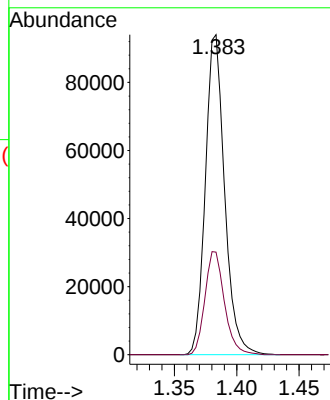
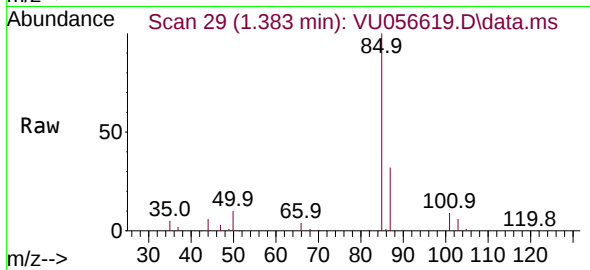




#2
 Dichlorodifluoromethane
 Concen: 4.175 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

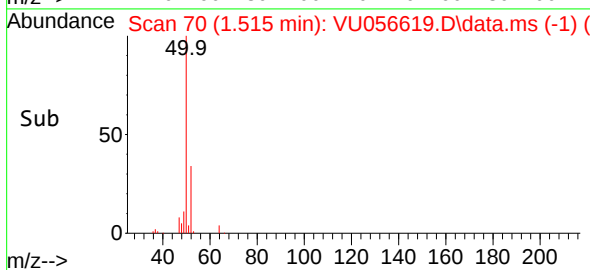
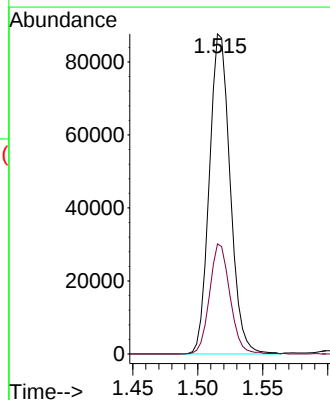
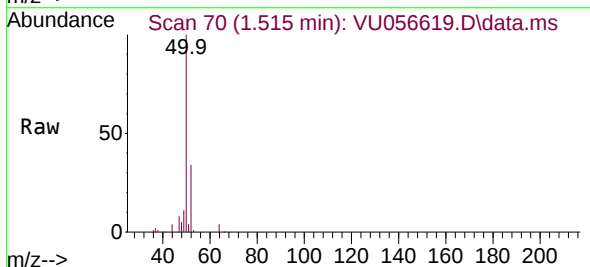
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 MSVOA_U
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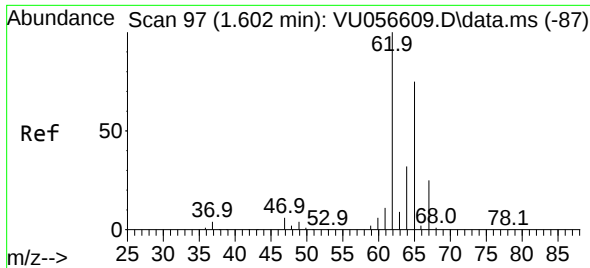
Tgt Ion: 85 Resp: 100800
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.0 37.4



#3
 Chloromethane
 Concen: 3.958 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

Tgt Ion: 50 Resp: 97641
 Ion Ratio Lower Upper
 50 100
 52 34.4 24.3 45.1

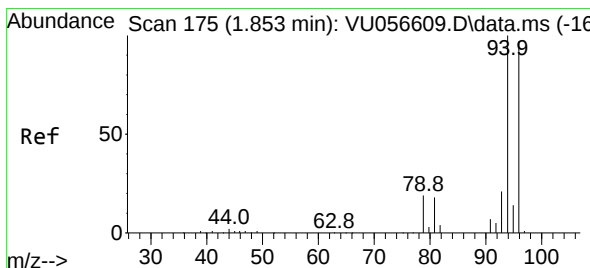
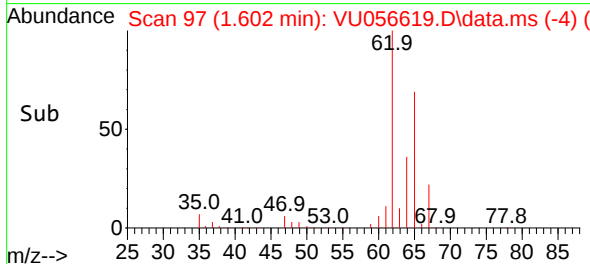
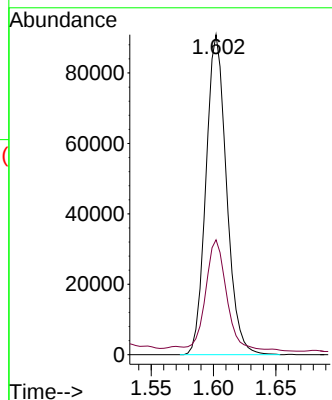
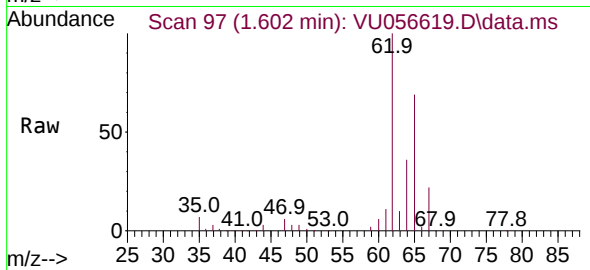




#5
 Vinyl chloride
 Concen: 4.393 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

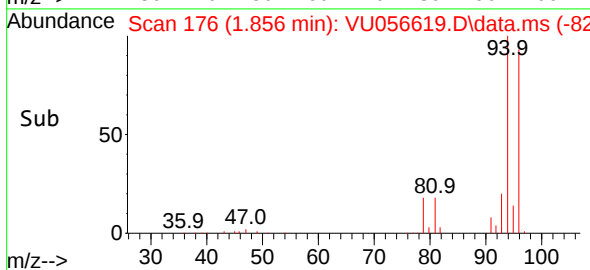
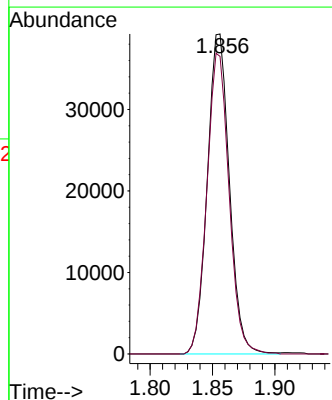
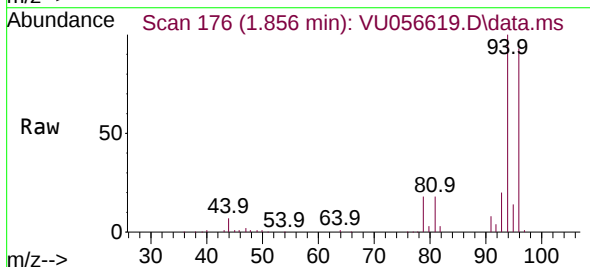
Instrument :
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 ClientSampleId :

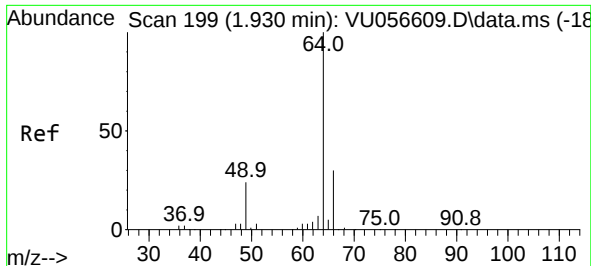
Tgt Ion: 62 Resp: 104421
 Ion Ratio Lower Upper
 62 100
 64 35.9 23.3 43.3



#6
 Bromomethane
 Concen: 4.028 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

Tgt Ion: 94 Resp: 48465
 Ion Ratio Lower Upper
 94 100
 96 93.0 62.6 116.2

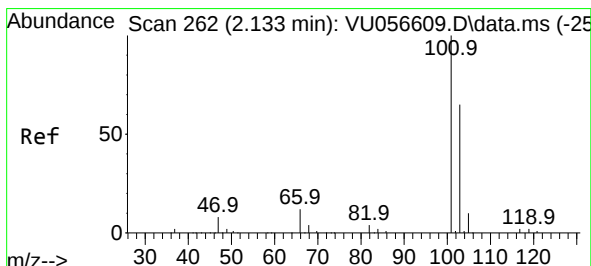
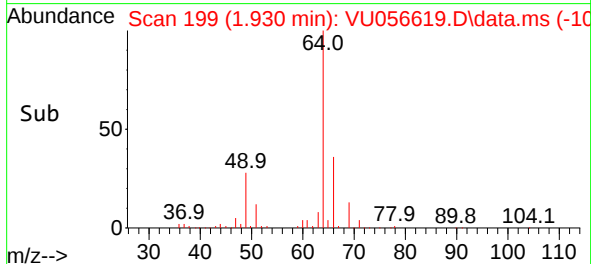
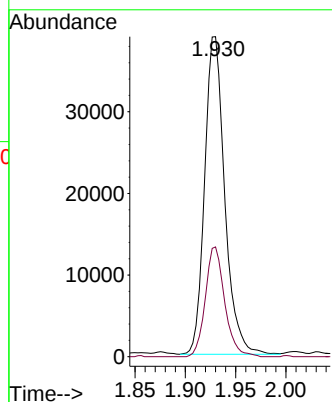
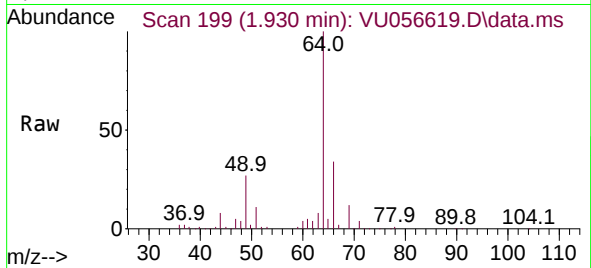




#8
Chloroethane
Concen: 3.723 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

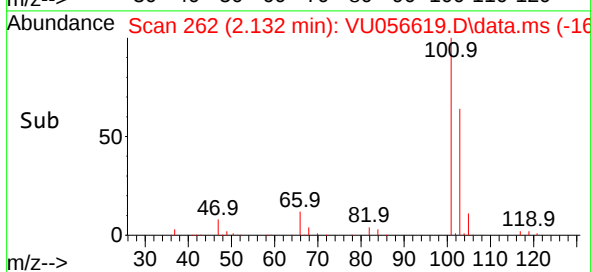
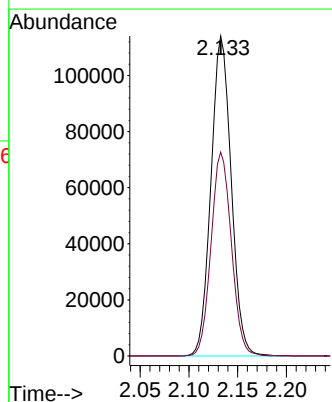
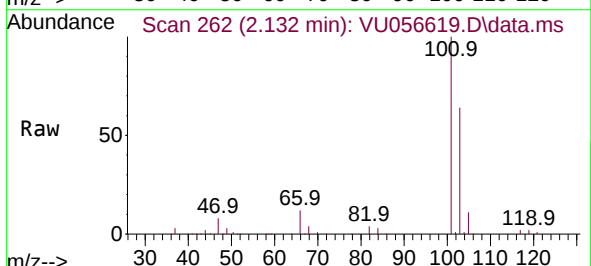
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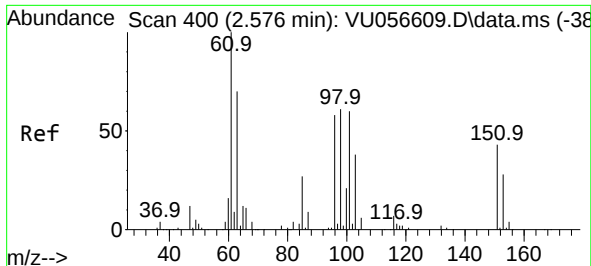
Tgt Ion: 64 Resp: 54057
Ion Ratio Lower Upper
64 100
66 34.3 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.810 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion:101 Resp: 164784
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0





#10

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

Concen: 5.111 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

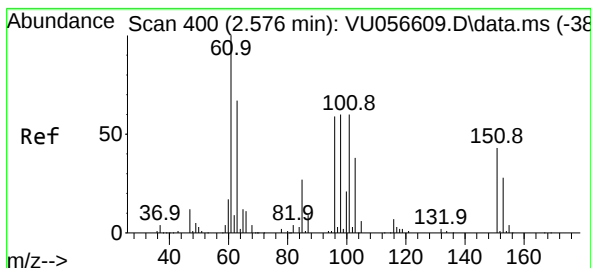
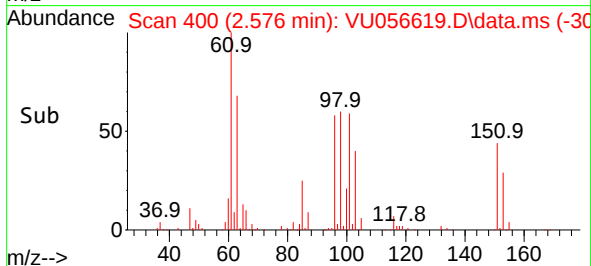
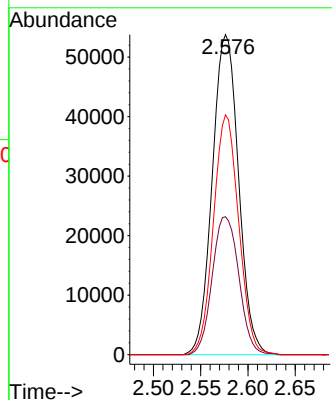
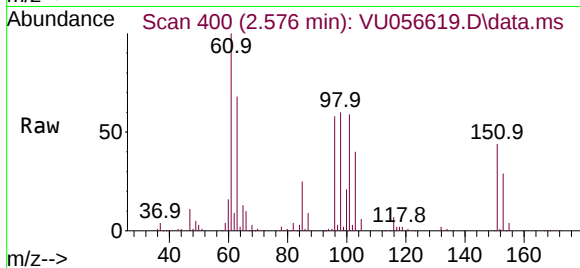
Tgt Ion:101 Resp: 103951

Ion Ratio Lower Upper

101 100

85 43.8 35.4 53.0

151 72.0 58.0 87.0



#12

1,1-Dichloroethene

Concen: 4.714 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

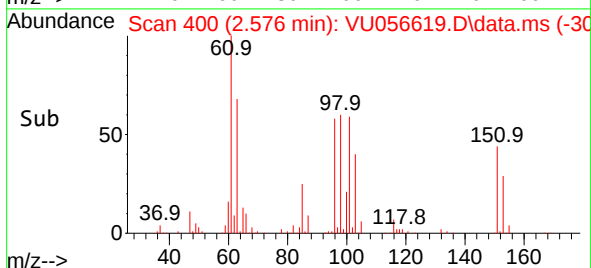
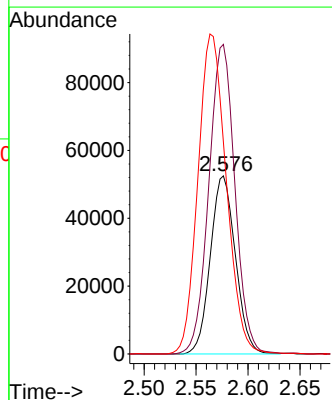
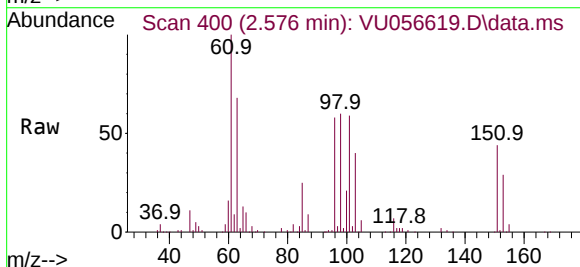
Tgt Ion: 96 Resp: 87931

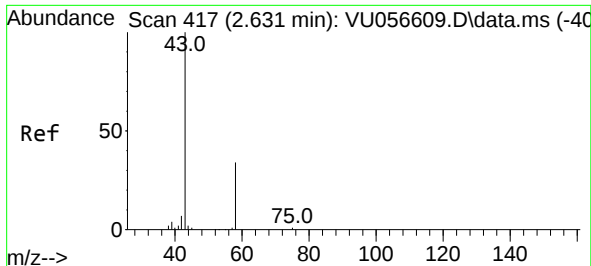
Ion Ratio Lower Upper

96 100

61 173.9 123.1 228.7

63 119.0 93.3 173.3





#13

Acetone

Concen: 43.940 ug/L

RT: 2.631 min Scan# 417

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

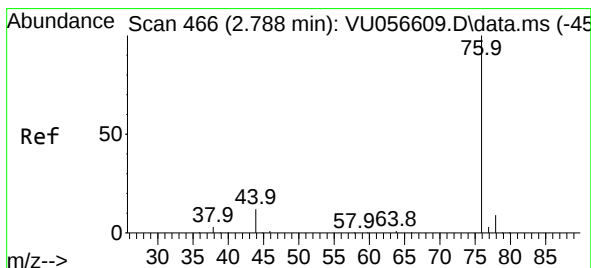
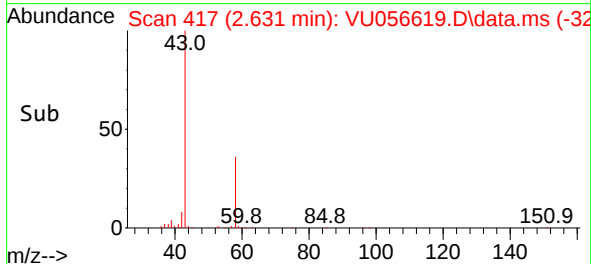
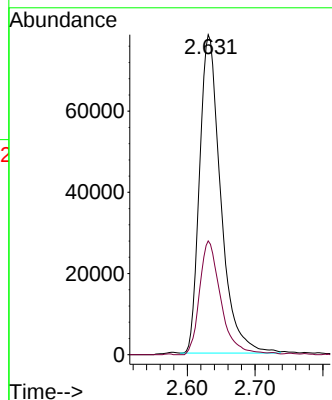
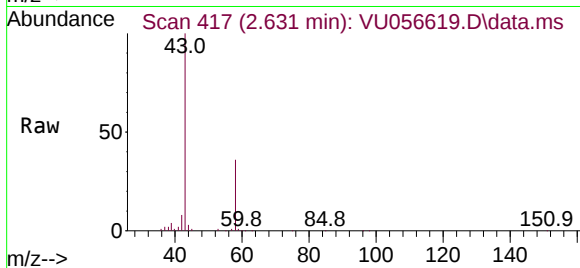
ClientSampleId :

Tgt Ion: 43 Resp: 170079

Ion Ratio Lower Upper

43 100

58 35.9 0.0 70.0



#14

Carbon disulfide

Concen: 3.727 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056619.D

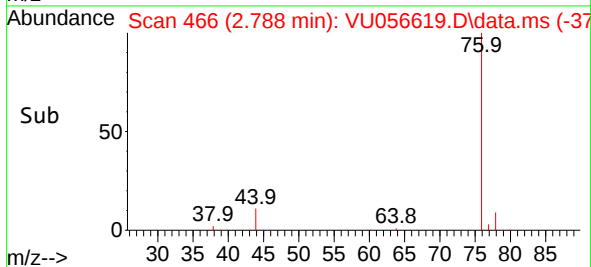
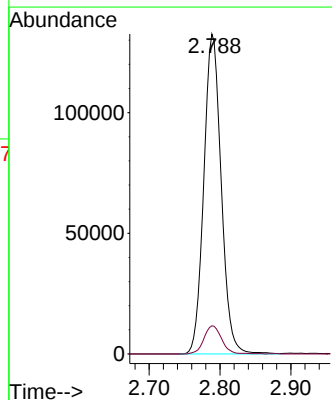
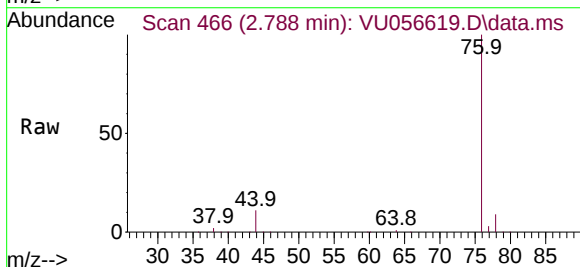
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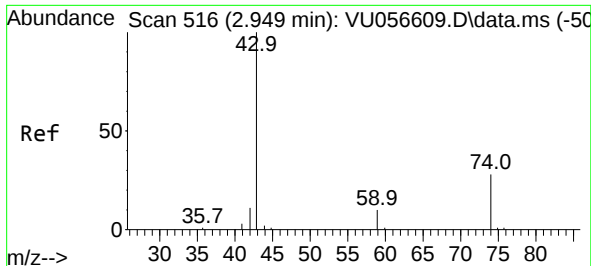
Tgt Ion: 76 Resp: 226253

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

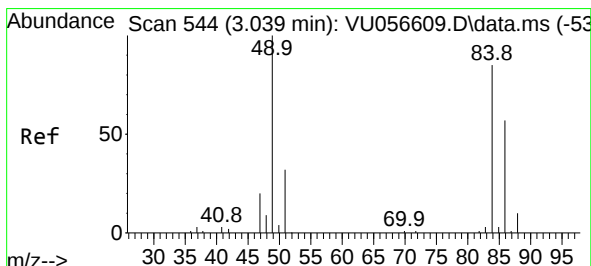
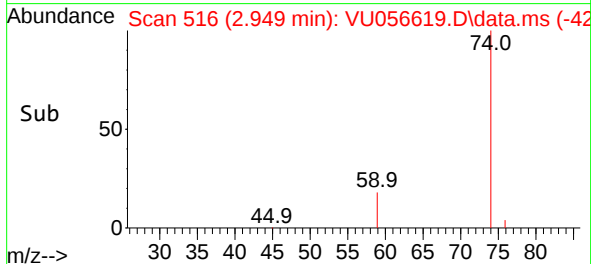
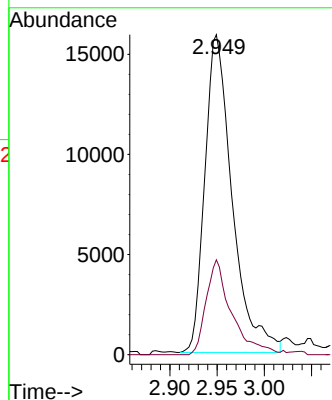
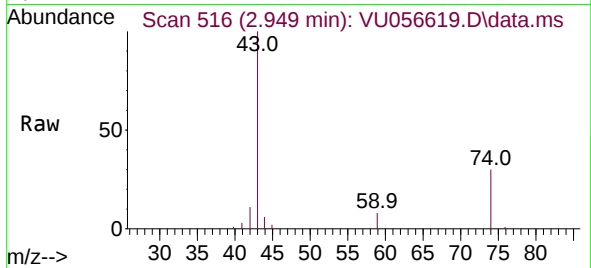




#15
Methyl Acetate
Concen: 4.644 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

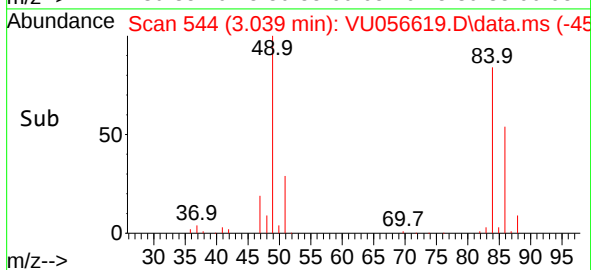
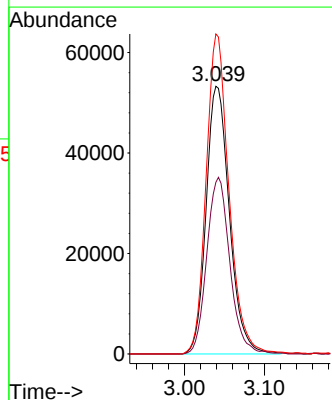
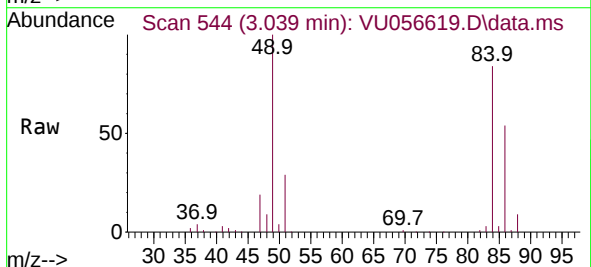
Instrument :
MSVOA_U
ClientSampleId :

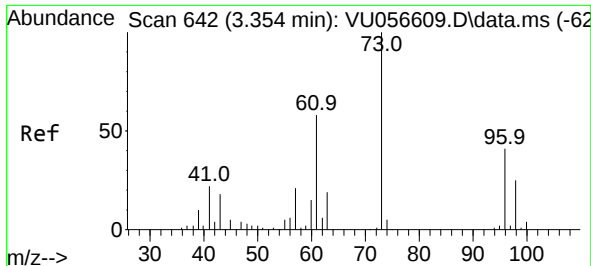
Tgt Ion: 43 Resp: 31986
Ion Ratio Lower Upper
43 100
74 27.6 20.6 31.0



#16
Methylene chloride
Concen: 4.368 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion: 84 Resp: 107816
Ion Ratio Lower Upper
84 100
86 64.1 44.7 83.1
49 119.5 81.8 152.0

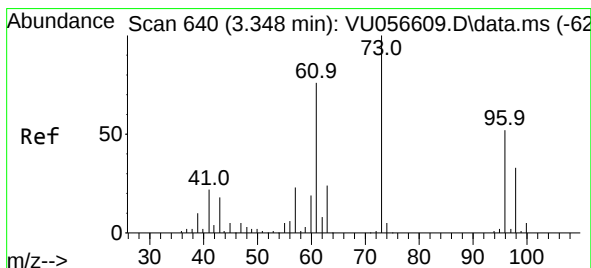
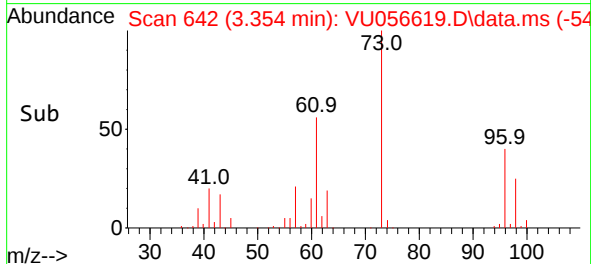
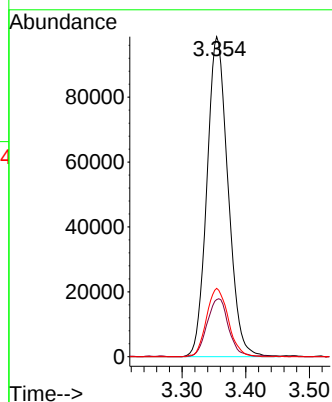
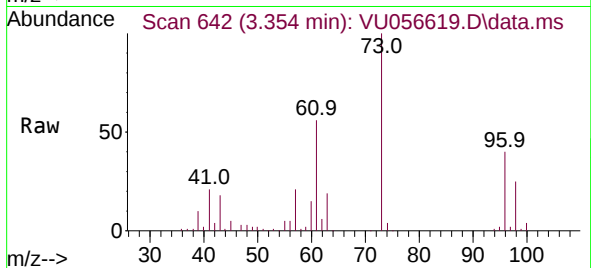




#17
Methyl tert-butyl Ether
Concen: 5.006 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

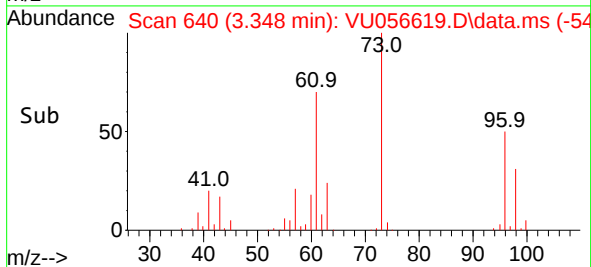
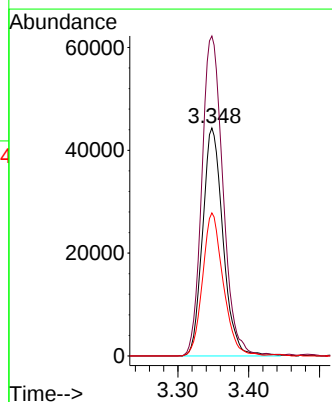
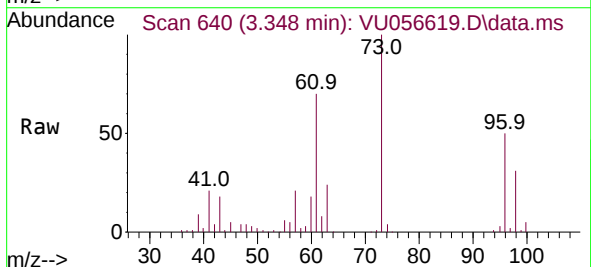
Instrument :
MSVOA_U
ClientSampleId :

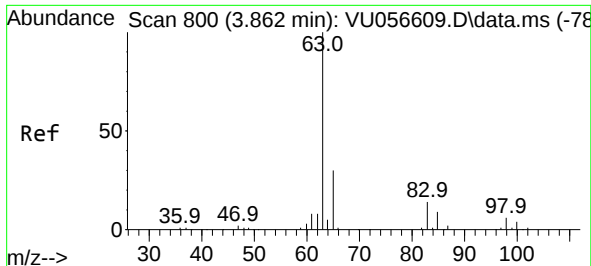
Tgt Ion: 73 Resp: 226886
Ion Ratio Lower Upper
73 100
43 18.4 15.1 22.7
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.624 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion: 96 Resp: 88752
Ion Ratio Lower Upper
96 100
61 140.3 101.7 188.9
98 62.8 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.077 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

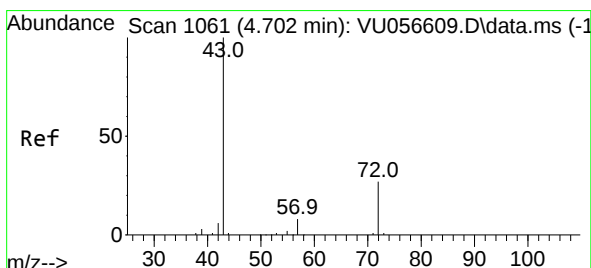
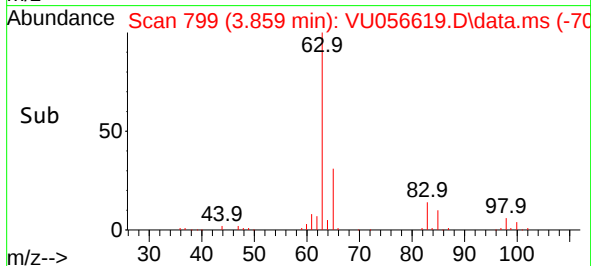
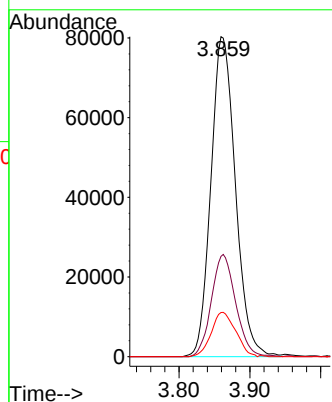
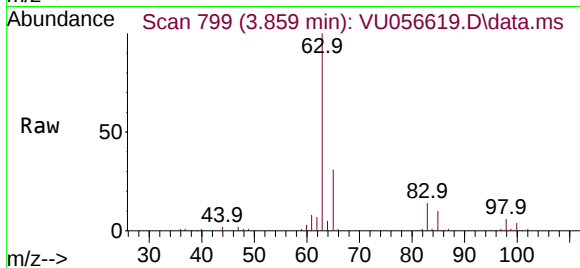
Tgt Ion: 63 Resp: 193023

Ion Ratio Lower Upper

63 100

65 31.4 21.8 40.6

83 13.8 9.7 17.9



#21

2-Butanone

Concen: 47.089 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. 0.000 min

Lab File: VU056619.D

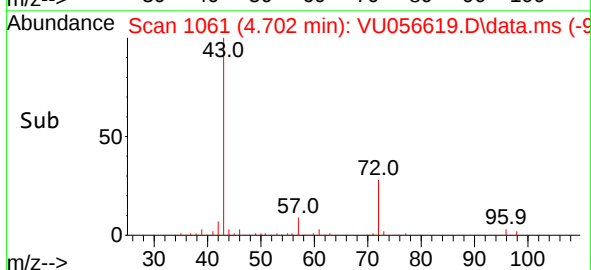
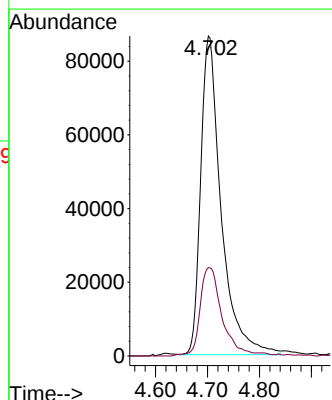
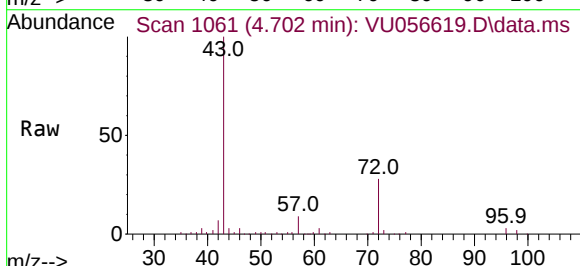
Acq: 28 Nov 2023 10:03

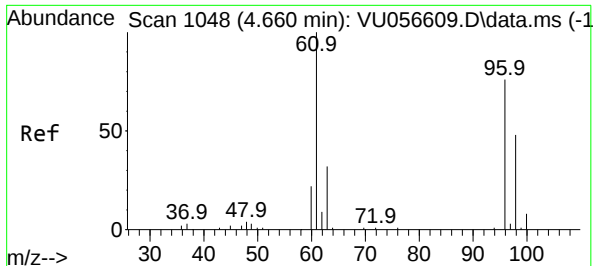
Tgt Ion: 43 Resp: 236510

Ion Ratio Lower Upper

43 100

72 29.4 14.2 42.6

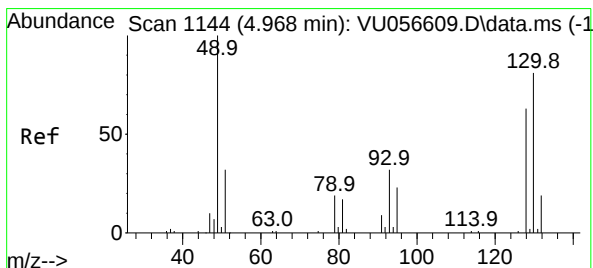
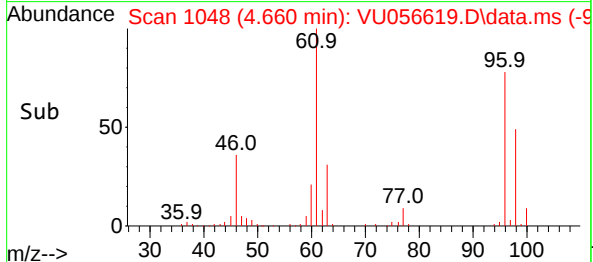
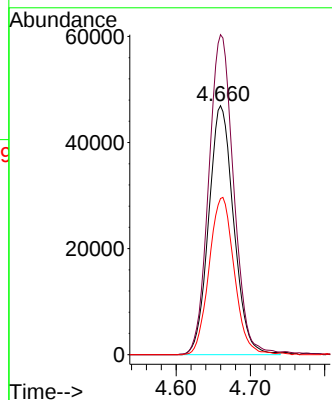
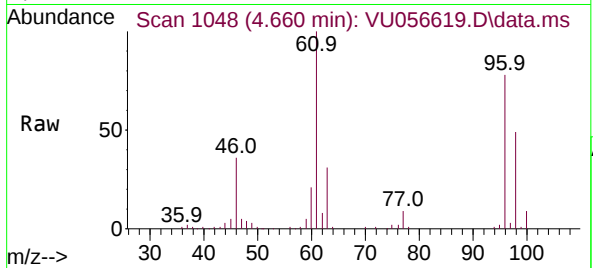




#22
 cis-1,2-Dichloroethene
 Concen: 5.054 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

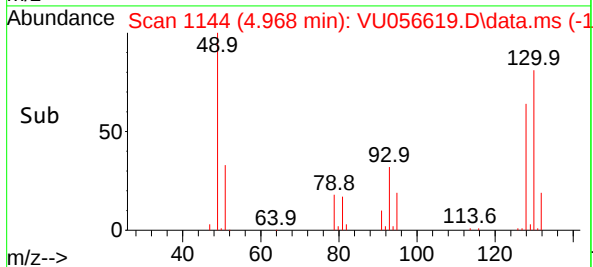
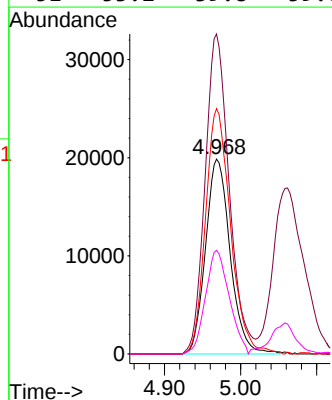
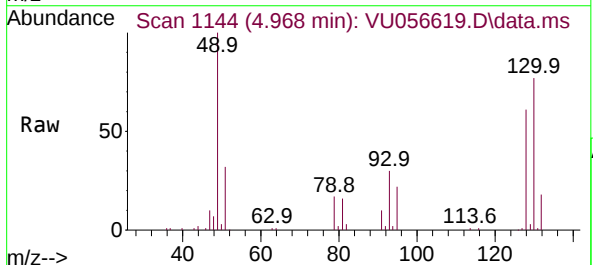
Instrument :
 MSVOA_U
 ClientSampleId :

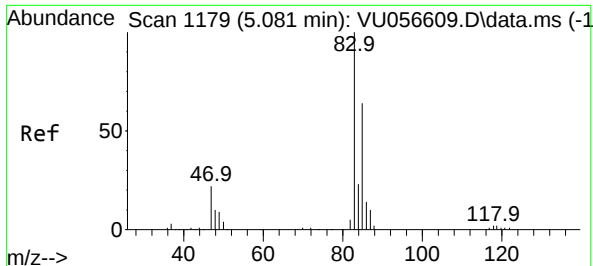
Tgt Ion: 96 Resp: 109995
 Ion Ratio Lower Upper
 96 100
 61 128.5 93.2 173.2
 98 62.7 44.8 83.2



#23
 Bromochloromethane
 Concen: 4.994 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

Tgt Ion: 128 Resp: 44736
 Ion Ratio Lower Upper
 128 100
 49 164.3 113.4 210.6
 130 125.9 84.8 157.6
 51 53.2 39.8 59.6





#25

Chloroform

Concen: 4.965 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

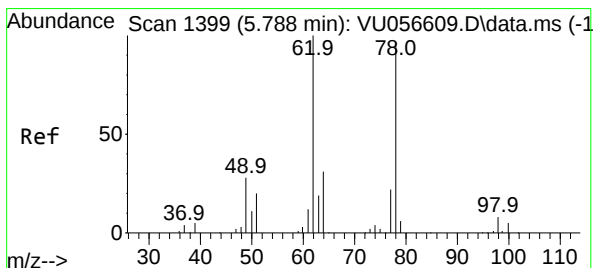
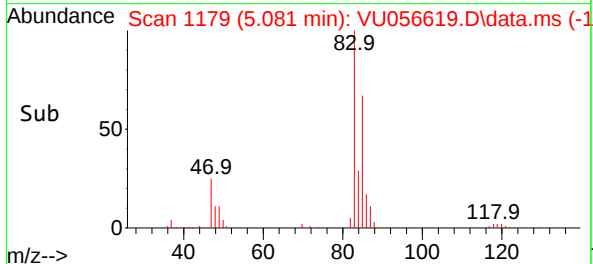
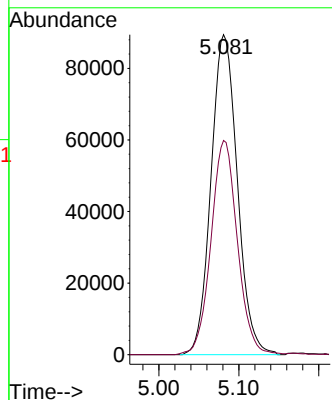
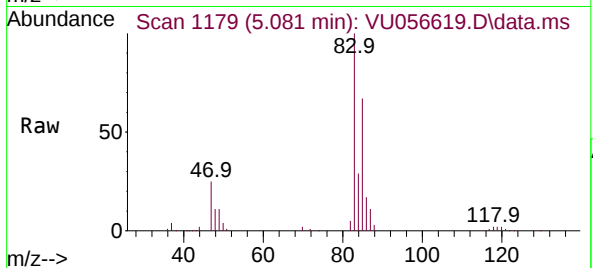
ClientSampleId :

Tgt Ion: 83 Resp: 204502

Ion Ratio Lower Upper

83 100

85 66.9 47.0 87.2



#27

1,2-Dichloroethane

Concen: 4.953 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056619.D

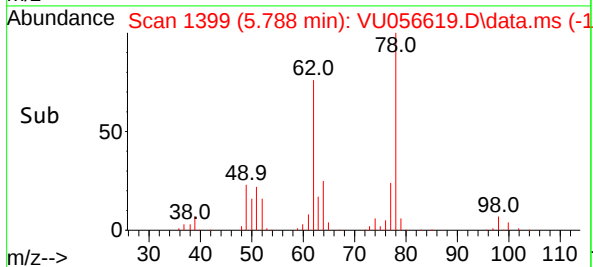
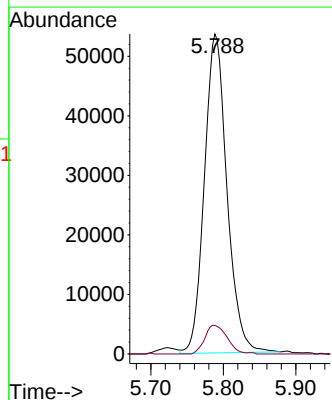
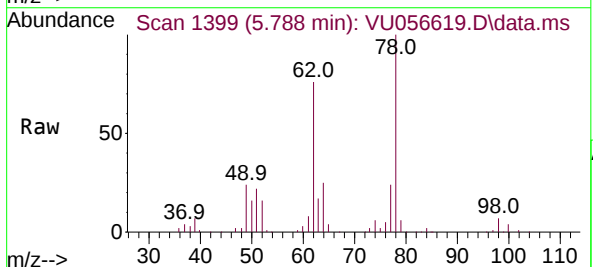
Acq: 28 Nov 2023 10:03

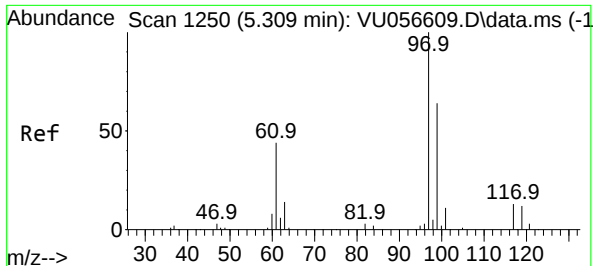
Tgt Ion: 62 Resp: 115832

Ion Ratio Lower Upper

62 100

98 9.0 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.982 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

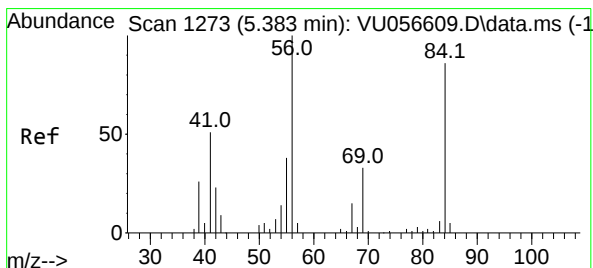
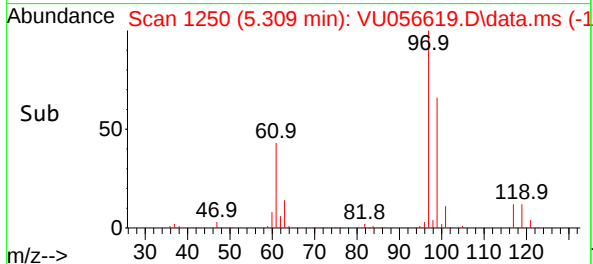
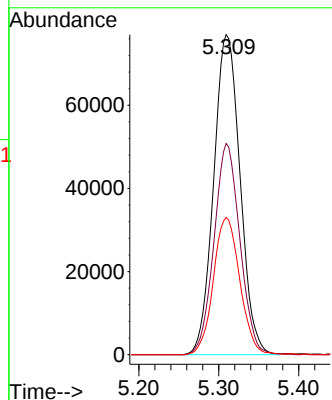
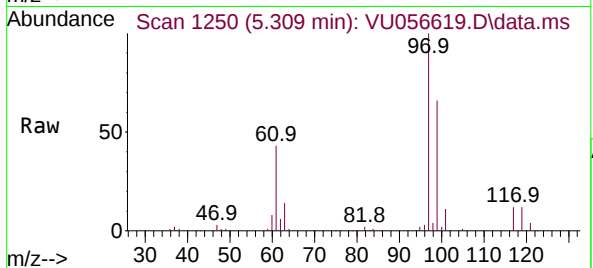
Tgt Ion: 97 Resp: 176749

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 42.9 34.3 51.5



#30

Cyclohexane

Concen: 4.151 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

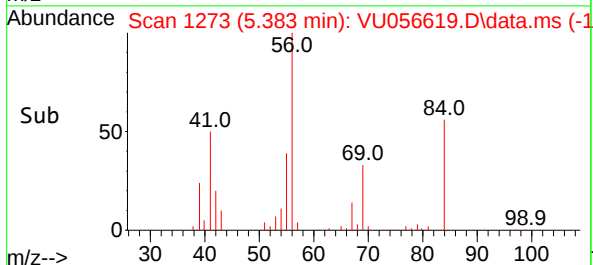
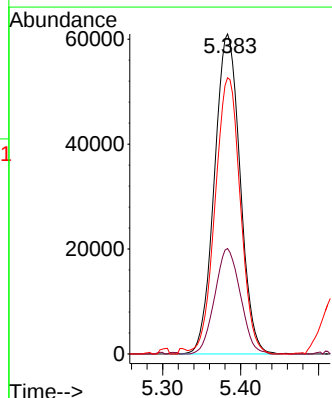
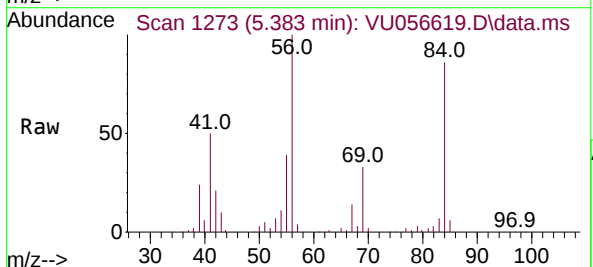
Tgt Ion: 56 Resp: 139758

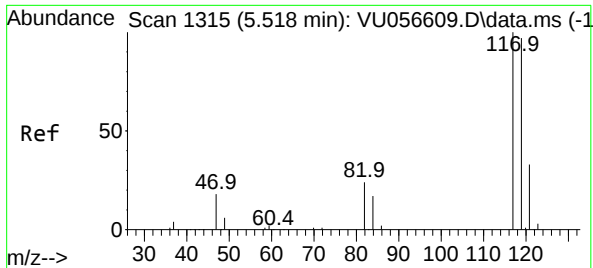
Ion Ratio Lower Upper

56 100

69 32.8 25.4 38.2

84 84.7 68.6 103.0

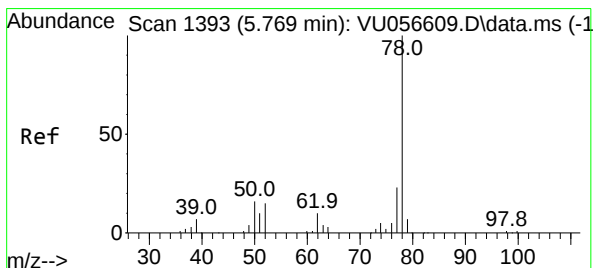
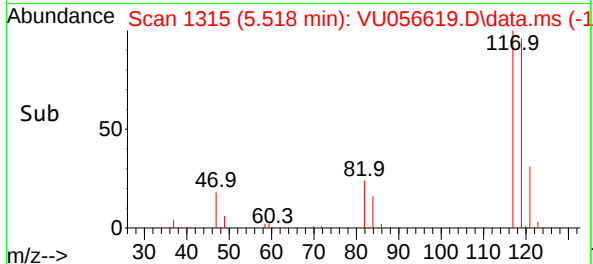
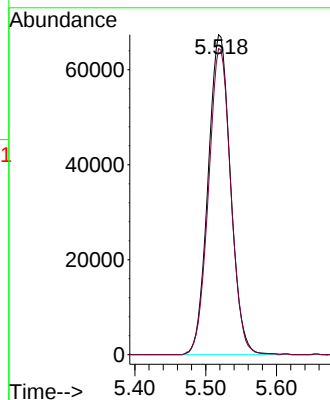
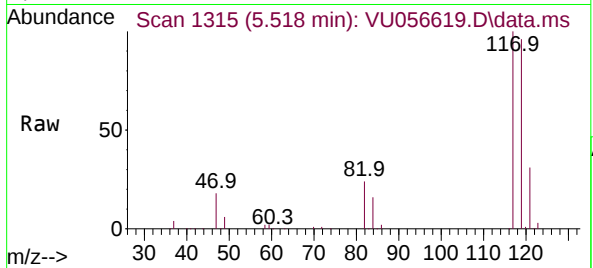




#31
Carbon tetrachloride
Concen: 4.870 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

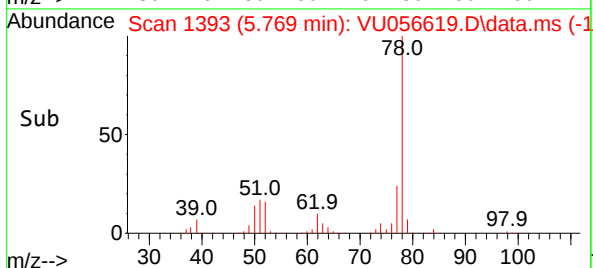
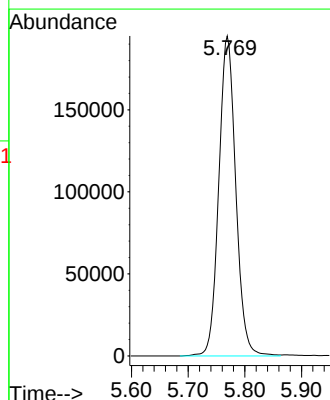
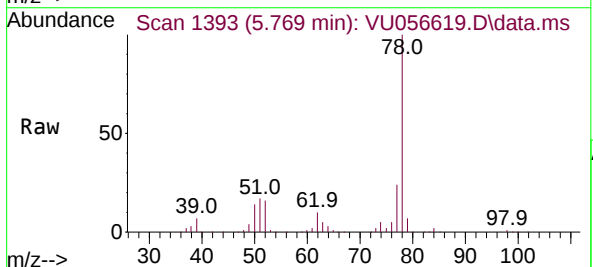
Instrument :
MSVOA_U
ClientSampleId :

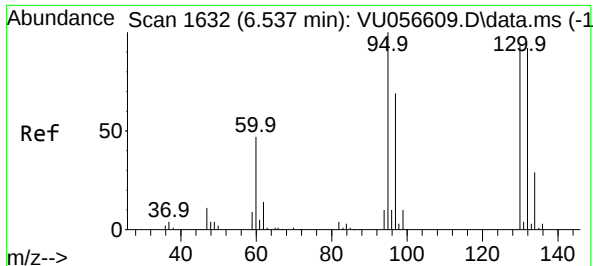
Tgt Ion:117 Resp: 148385
Ion Ratio Lower Upper
117 100
119 95.0 78.1 117.1



#33
Benzene
Concen: 4.602 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

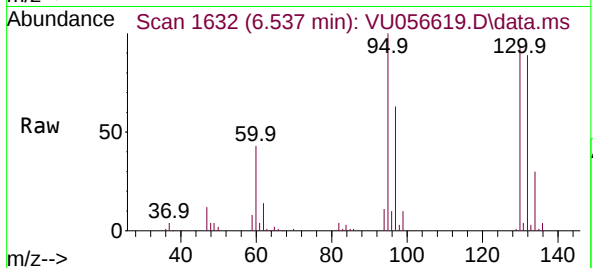
Tgt Ion: 78 Resp: 405834



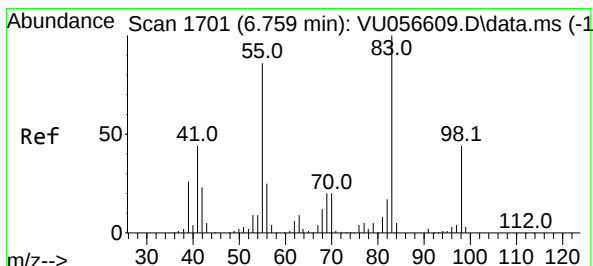
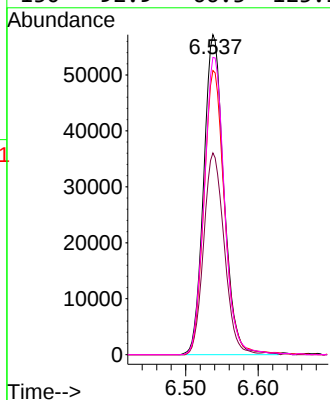
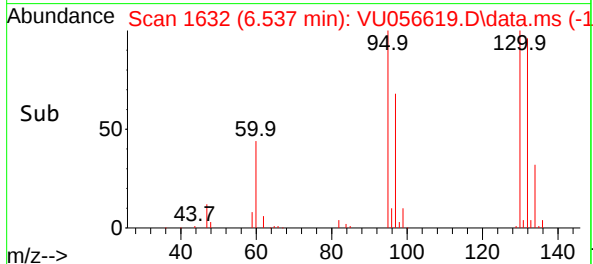


#34
Trichloroethene
Concen: 4.608 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

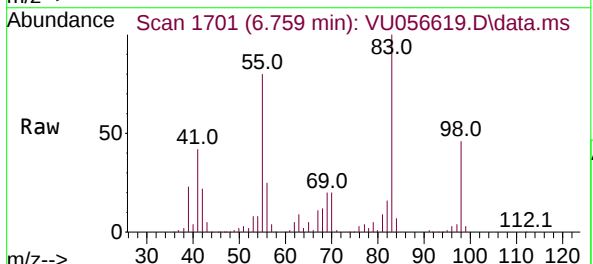
Instrument :
MSVOA_U
ClientSampleId :



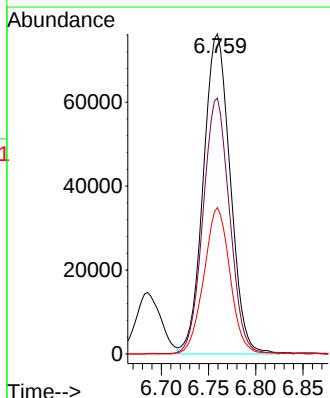
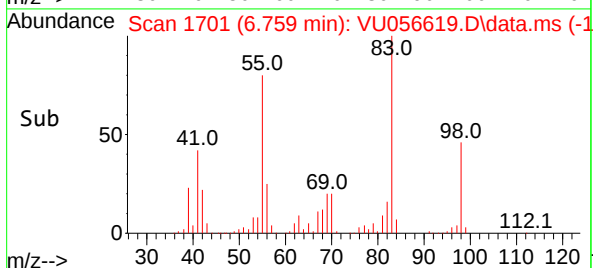
Tgt Ion: 95 Resp: 110715
Ion Ratio Lower Upper
95 100
97 63.0 46.5 86.3
132 88.8 62.0 115.2
130 92.9 66.3 123.1

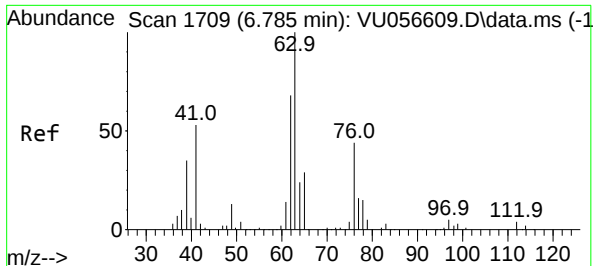


#35
Methylcyclohexane
Concen: 4.350 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03



Tgt Ion: 83 Resp: 150882
Ion Ratio Lower Upper
83 100
55 78.4 62.9 94.3
98 44.6 35.3 52.9





#37

1,2-Dichloropropane

Concen: 4.759 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

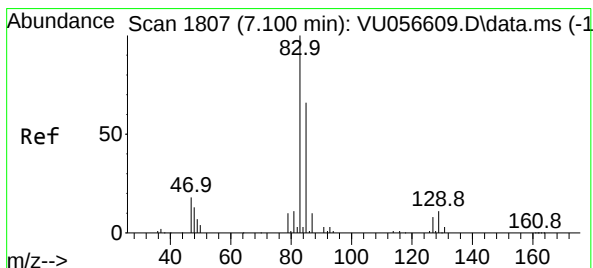
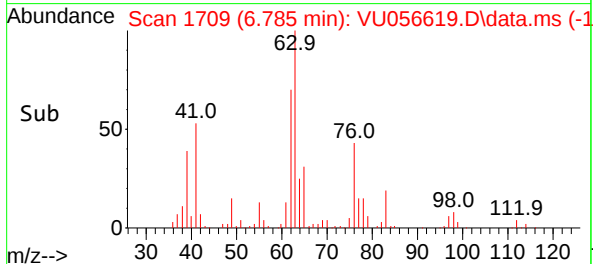
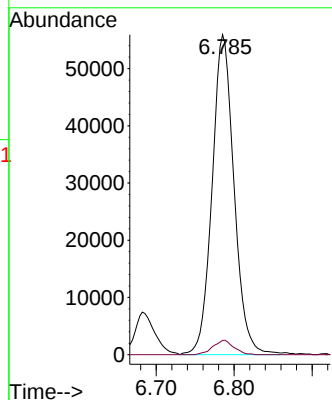
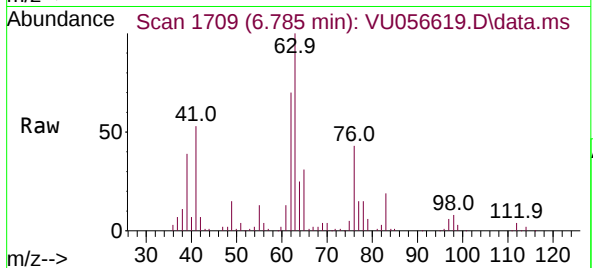
ClientSampleId :

Tgt Ion: 63 Resp: 109435

Ion Ratio Lower Upper

63 100

112 4.3 3.2 4.8



#38

Bromodichloromethane

Concen: 4.807 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

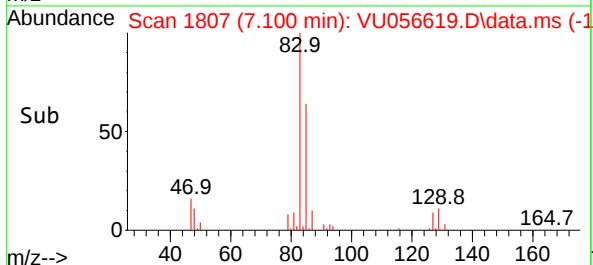
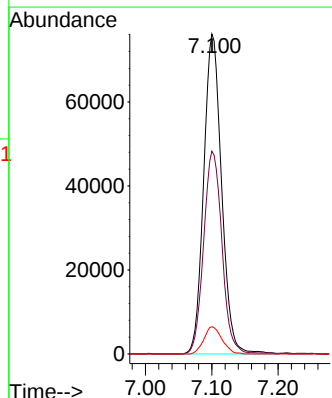
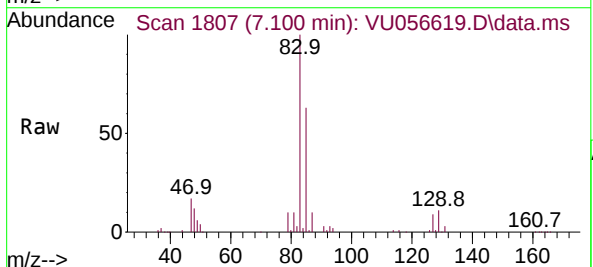
Tgt Ion: 83 Resp: 142700

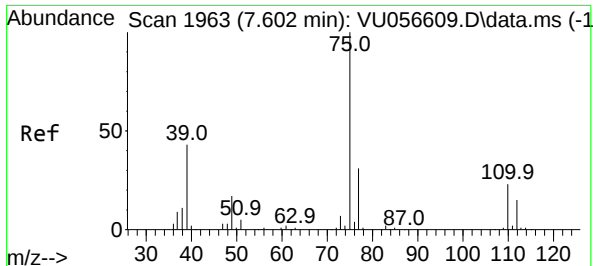
Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.5

127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.923 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

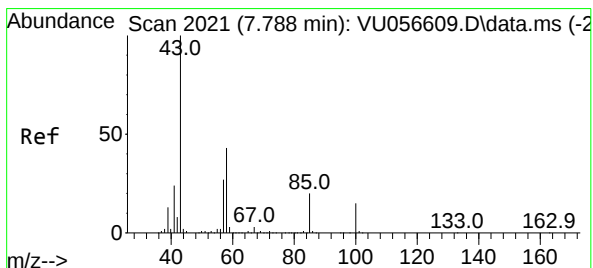
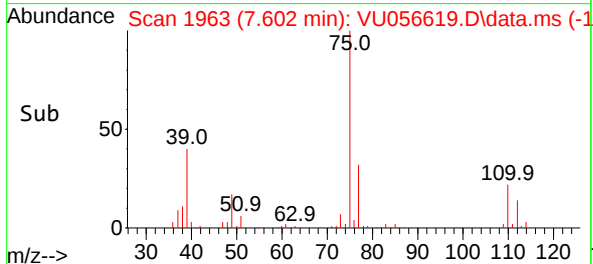
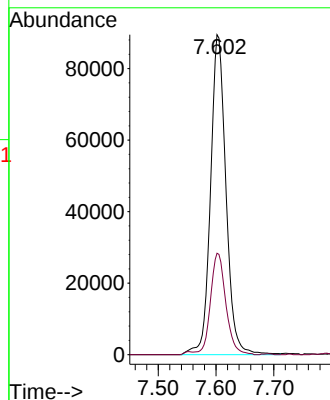
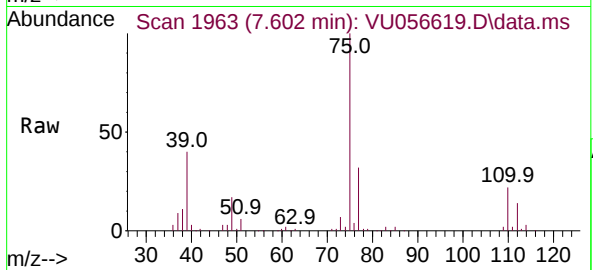
ClientSampleId :

Tgt Ion: 75 Resp: 166353

Ion Ratio Lower Upper

75 100

77 31.7 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 51.354 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

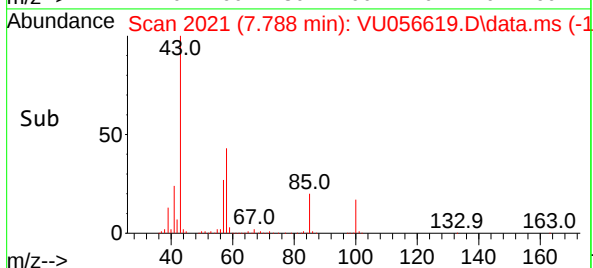
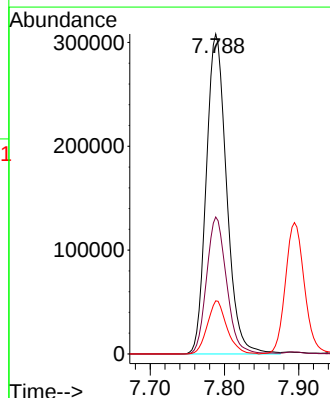
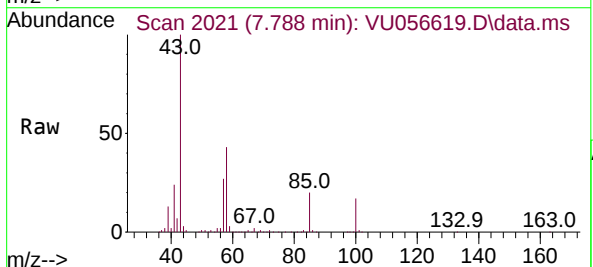
Tgt Ion: 43 Resp: 585402

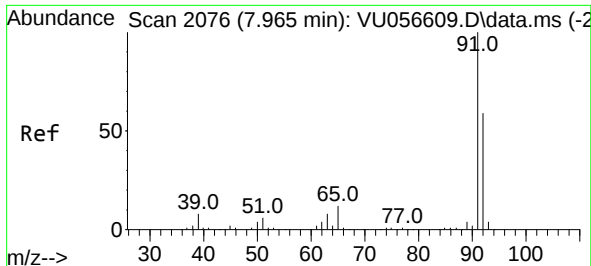
Ion Ratio Lower Upper

43 100

58 42.3 33.8 50.8

100 15.9 13.0 19.4





#42

Toluene

Concen: 4.959 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

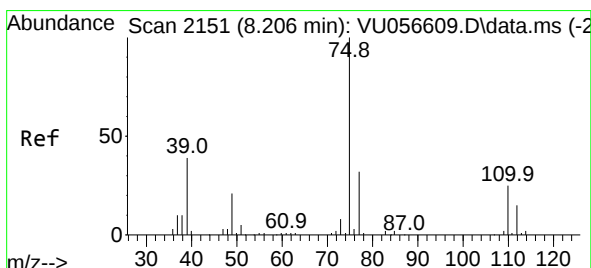
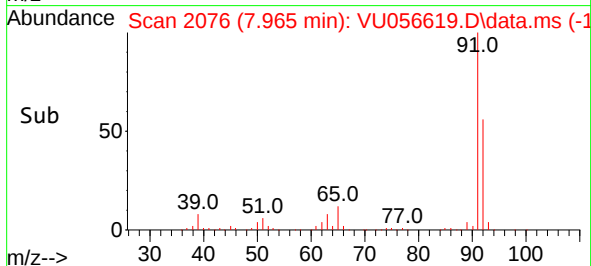
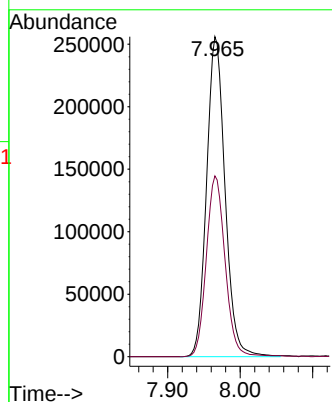
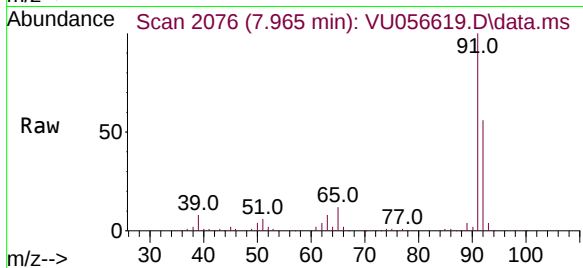
ClientSampleId :

Tgt Ion: 91 Resp: 452756

Ion Ratio Lower Upper

91 100

92 56.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.957 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056619.D

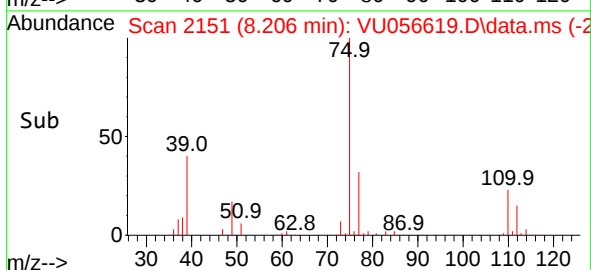
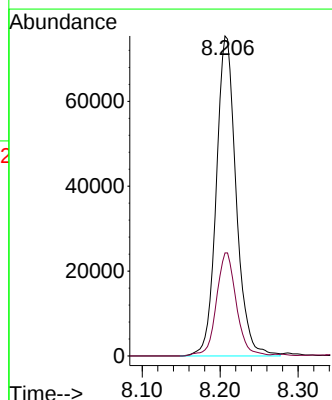
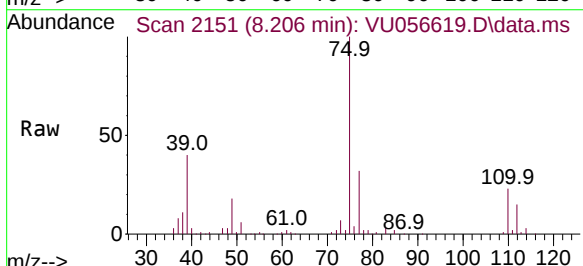
Acq: 28 Nov 2023 10:03

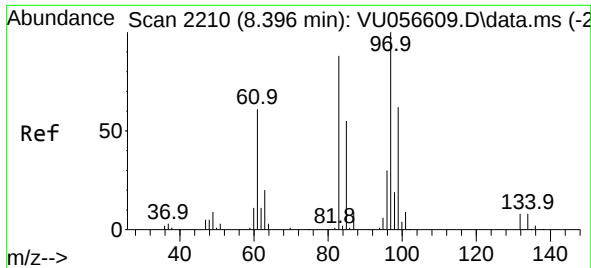
Tgt Ion: 75 Resp: 133525

Ion Ratio Lower Upper

75 100

77 32.2 22.8 42.4

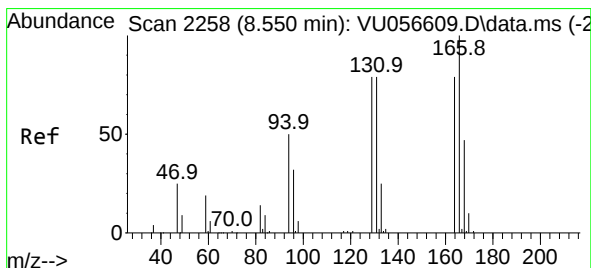
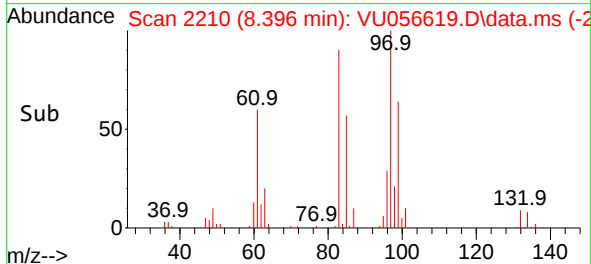
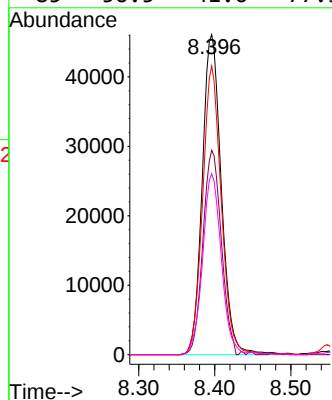
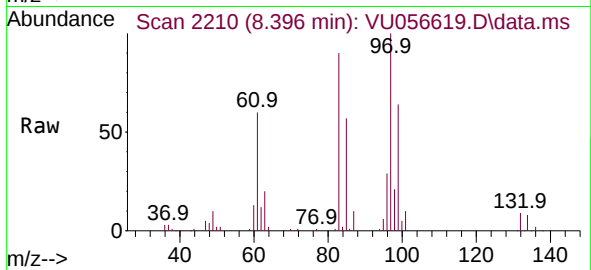




#45
1,1,2-Trichloroethane
Concen: 5.239 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

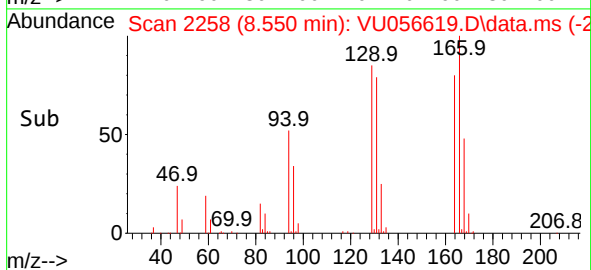
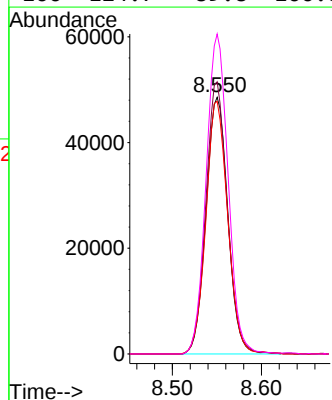
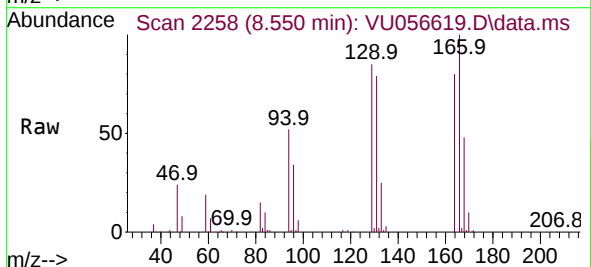
Instrument :
MSVOA_U
ClientSampleId :

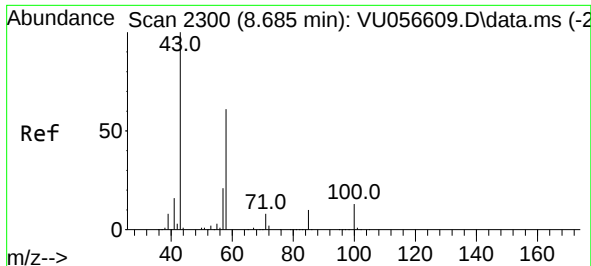
Tgt Ion:	97	Resp:	80243
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.3	82.3
83	90.3	65.4	121.4
85	56.5	41.6	77.3



#47
Tetrachloroethene
Concen: 5.114 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

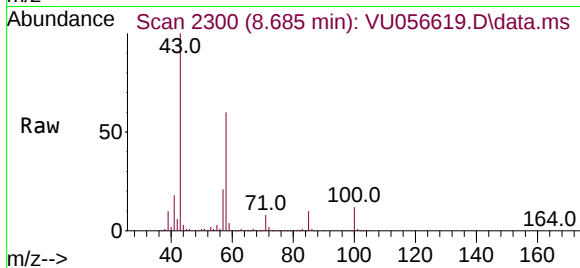
Tgt Ion:	164	Resp:	82854
Ion	Ratio	Lower	Upper
164	100		
129	106.0	71.0	131.9
131	98.4	70.3	130.7
166	124.7	89.8	166.8



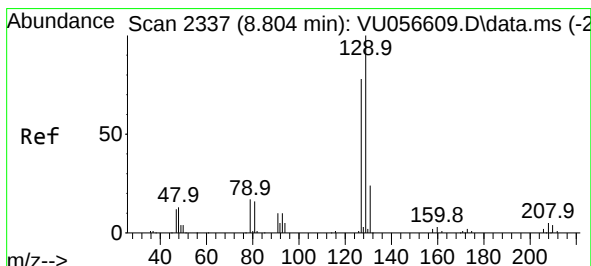
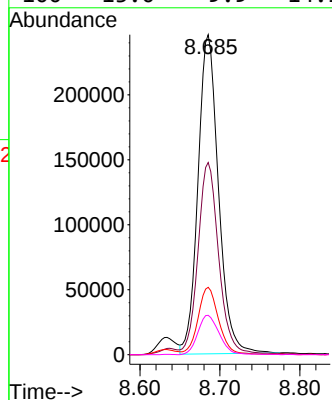
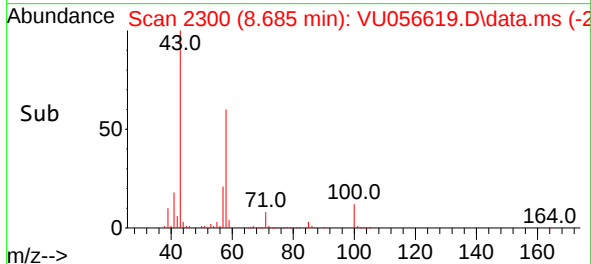


#48
2-Hexanone
Concen: 49.425 ug/L
RT: 8.685 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :

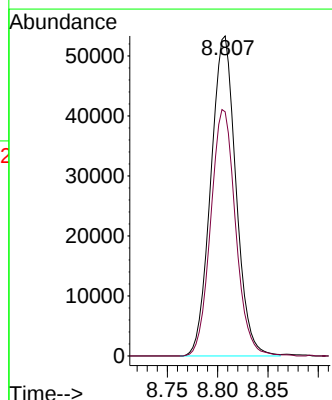
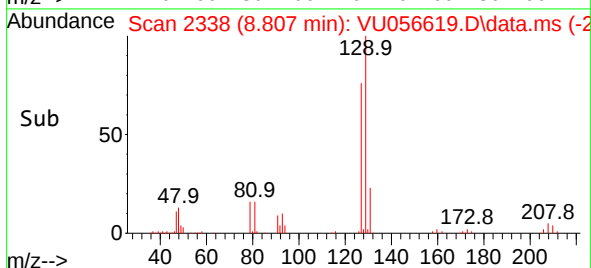
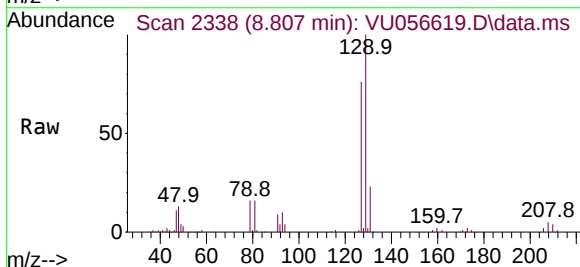


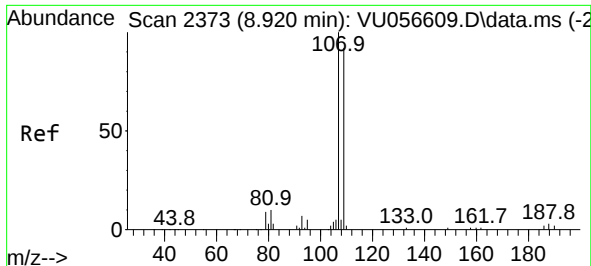
Tgt Ion: 43	Resp: 438925
Ion Ratio	Lower Upper
43 100	
58 60.5	48.7 73.1
57 21.1	16.8 25.2
100 13.0	9.9 14.9



#49
Dibromochloromethane
Concen: 5.324 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion:129	Resp: 92719		
Ion Ratio	Lower	Upper	
129 100			
127 76.3	52.9	98.3	





#50

1,2-Dibromoethane

Concen: 4.934 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

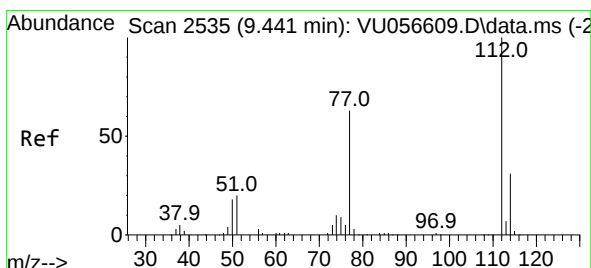
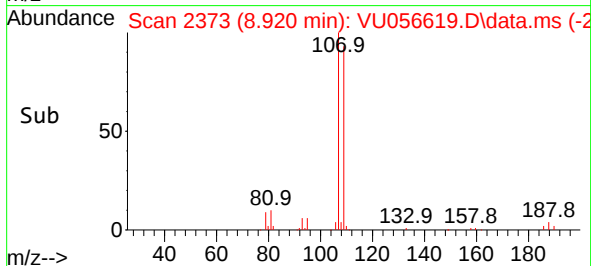
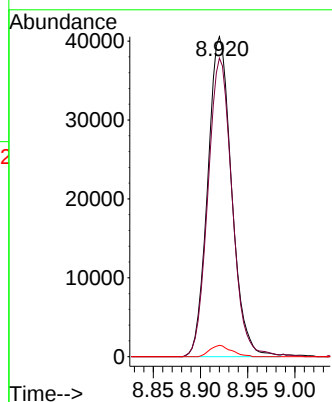
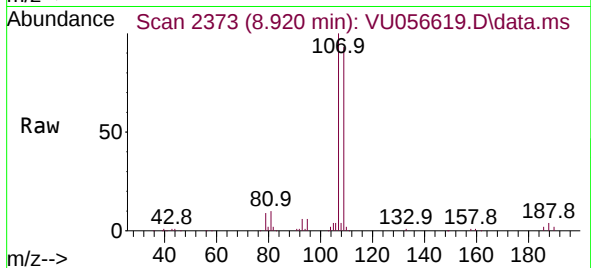
Tgt Ion:107 Resp: 71339

Ion Ratio Lower Upper

107 100

109 93.3 64.2 119.2

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 5.056 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

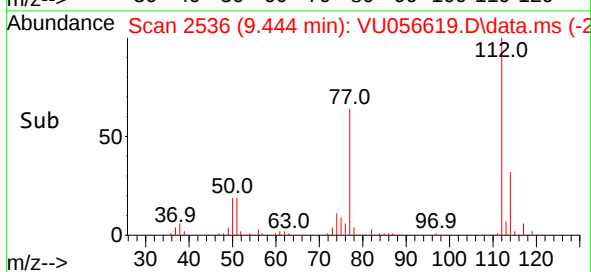
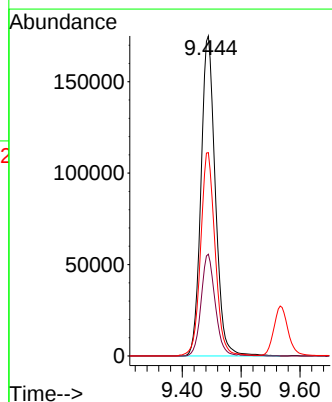
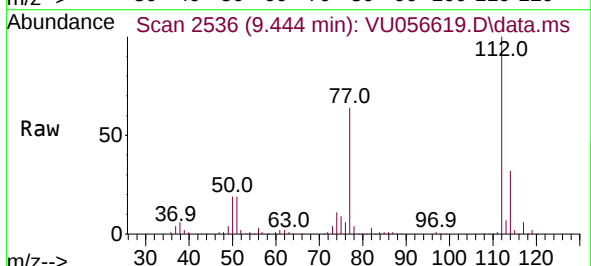
Tgt Ion:112 Resp: 296625

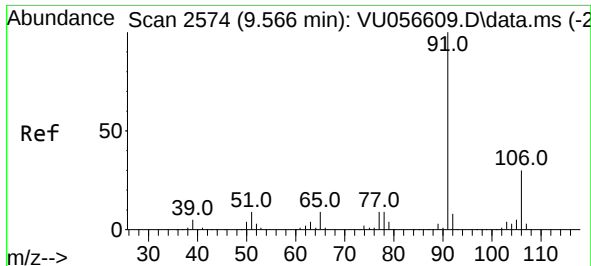
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 63.6 51.7 77.5

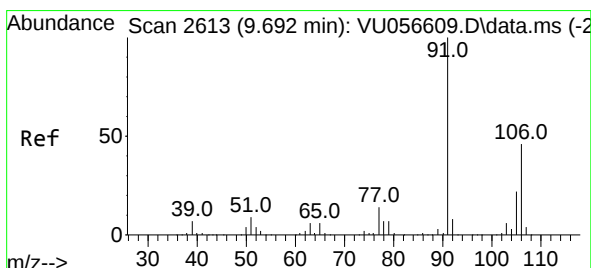
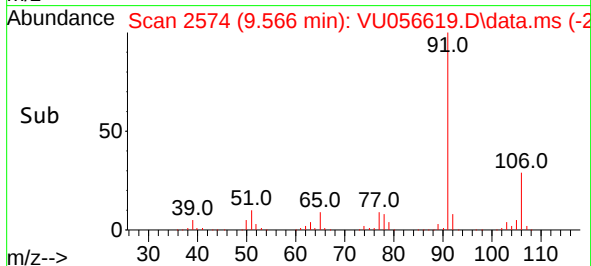
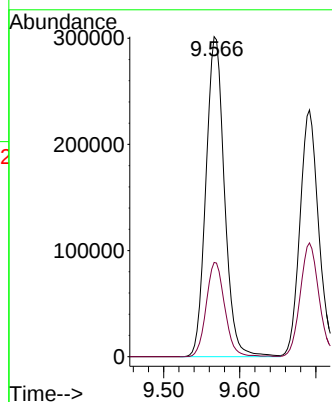
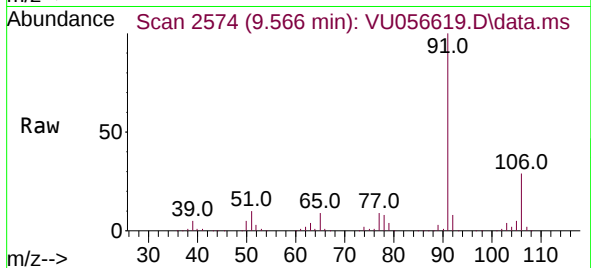




#52
Ethylbenzene
Concen: 5.027 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

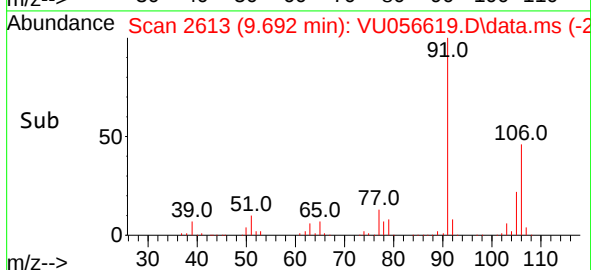
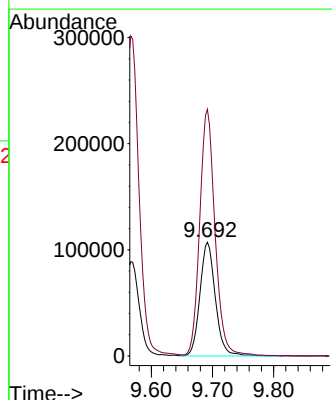
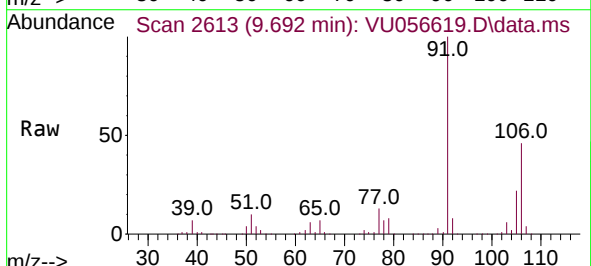
Instrument :
MSVOA_U
ClientSampleId :

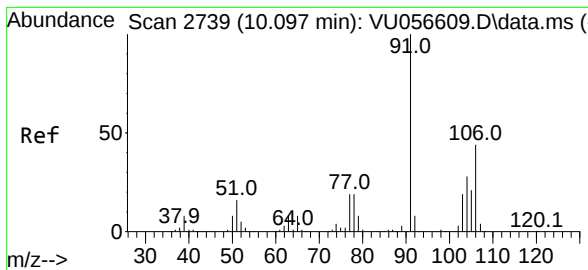
Tgt Ion: 91 Resp: 509667
Ion Ratio Lower Upper
91 100
106 29.4 21.1 39.1



#53
m,p-Xylene
Concen: 5.041 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion: 106 Resp: 187870
Ion Ratio Lower Upper
106 100
91 216.8 149.6 277.8

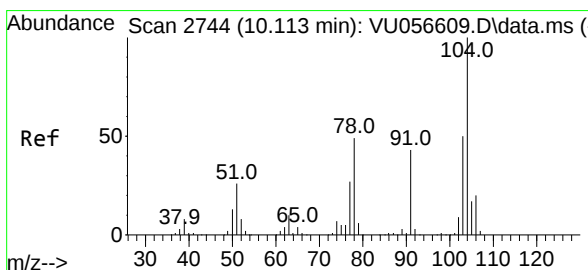
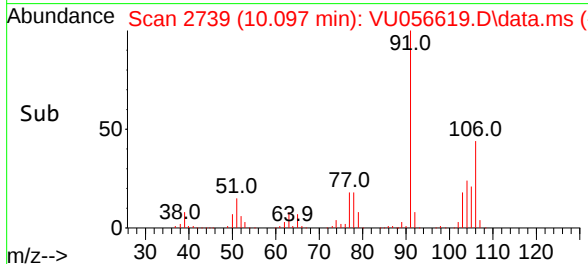
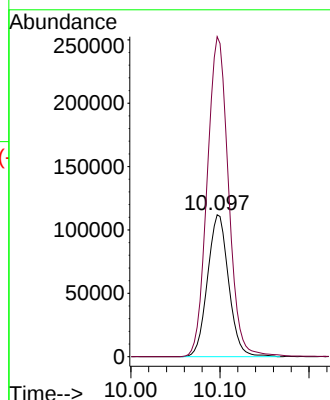
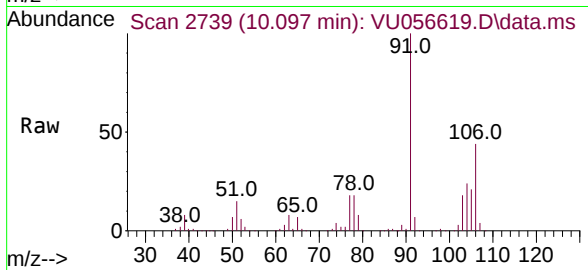




#54
o-Xylene
Concen: 5.086 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

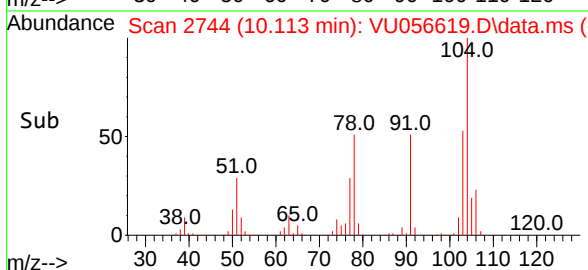
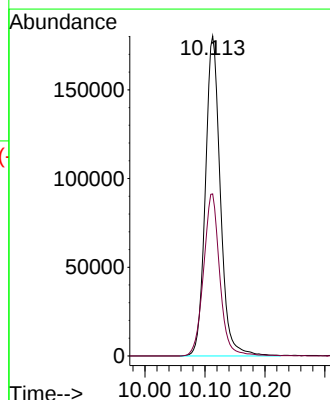
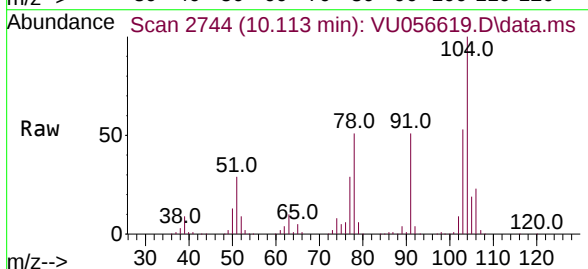
Instrument :
MSVOA_U
ClientSampleId :

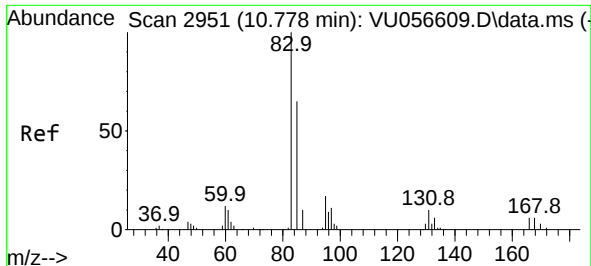
Tgt Ion:106 Resp: 184130
Ion Ratio Lower Upper
106 100
91 225.5 159.3 295.9



#55
Styrene
Concen: 5.214 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion:104 Resp: 313994
Ion Ratio Lower Upper
104 100
78 50.6 34.2 63.6

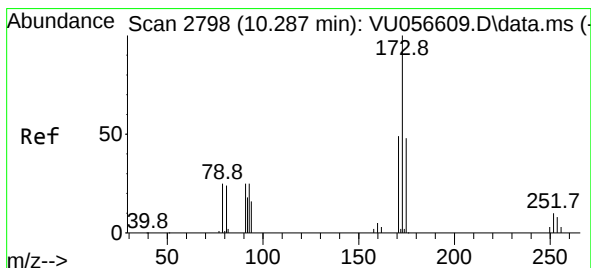
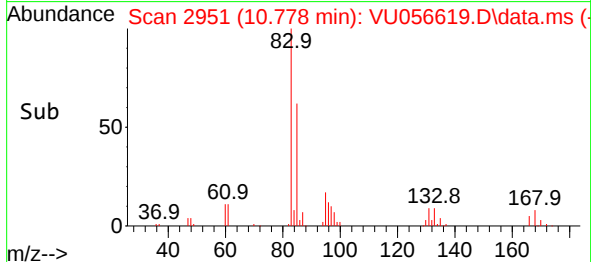
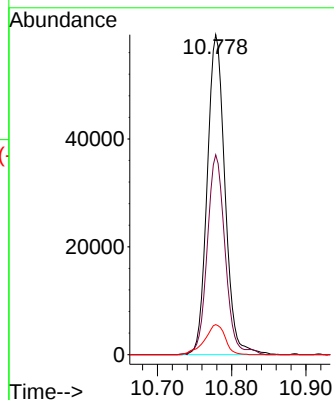
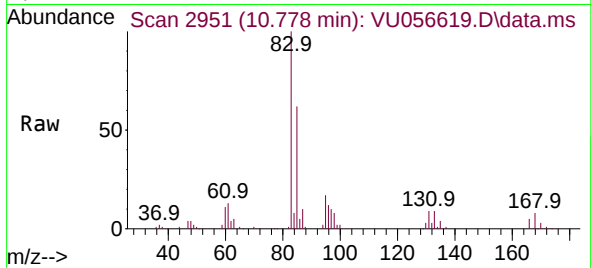




#57
1,1,2,2-Tetrachloroethane
Concen: 5.263 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

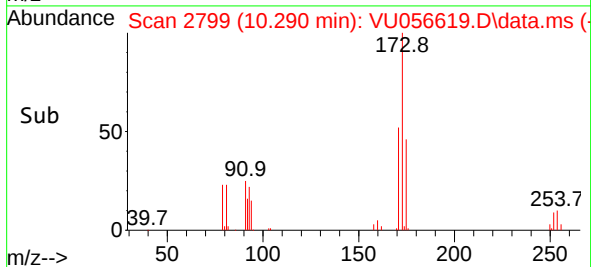
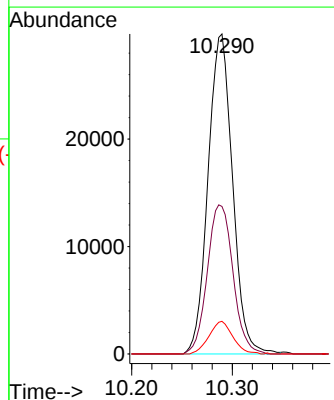
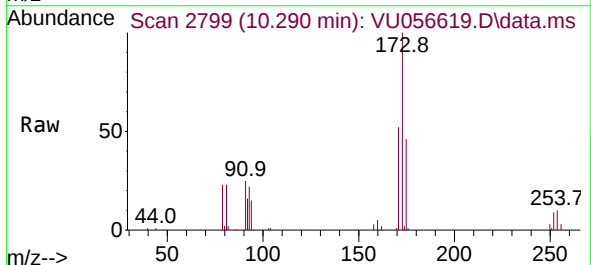
Instrument :
MSVOA_U
ClientSampleId :

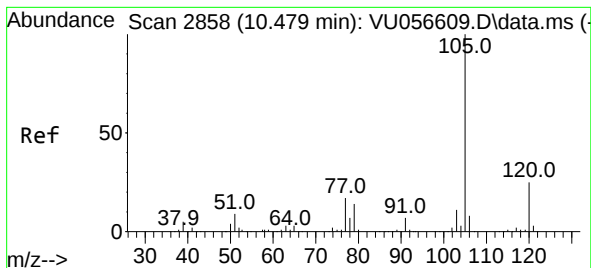
Tgt Ion: 83 Resp: 98427
Ion Ratio Lower Upper
83 100
85 62.5 46.3 86.1
131 9.4 6.7 10.1



#59
Bromoform
Concen: 5.402 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.003 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion:173 Resp: 50382
Ion Ratio Lower Upper
173 100
175 48.9 38.9 58.3
254 9.9 6.7 10.1





#60

Isopropylbenzene

Concen: 5.182 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056619.D

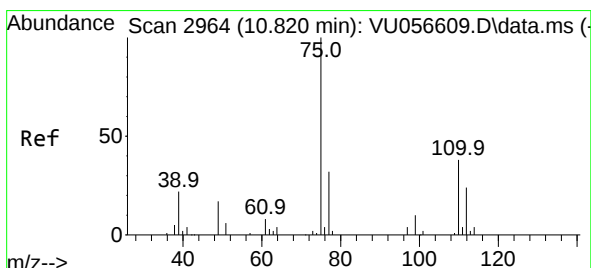
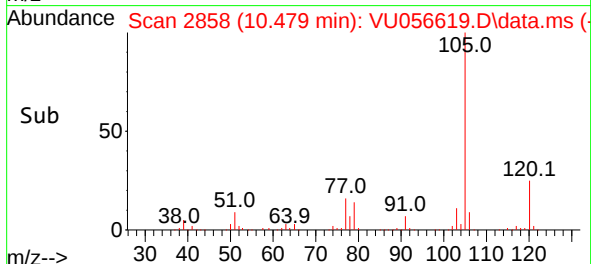
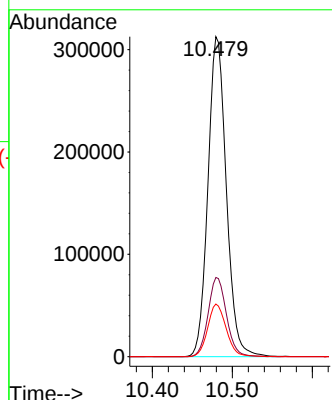
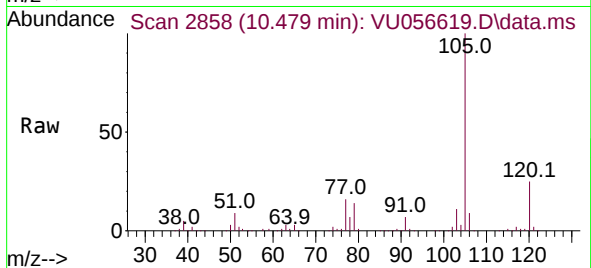
Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	500321
Ion Ratio	Lower	Upper	
105	100		
120	24.8	20.4	30.6
77	16.6	13.3	19.9



#61

1,2,3-Trichloropropane

Concen: 5.083 ug/L

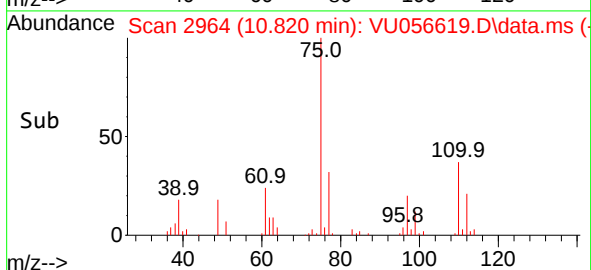
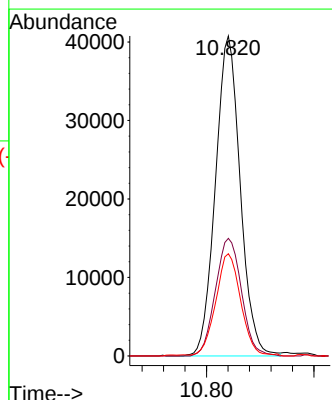
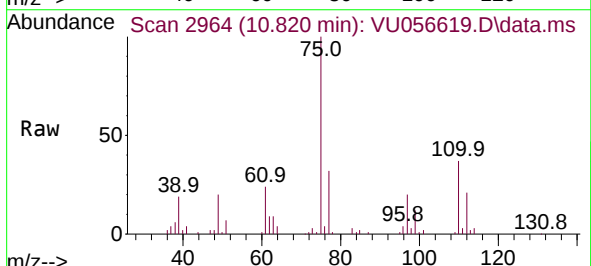
RT: 10.820 min Scan# 2964

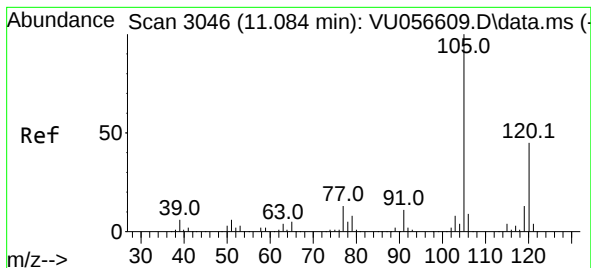
Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Tgt Ion:	75	Resp:	65292
Ion Ratio	Lower	Upper	
75	100		
110	38.6	30.4	45.6
77	32.2	27.0	40.6

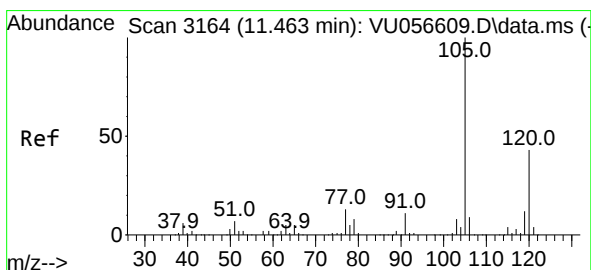
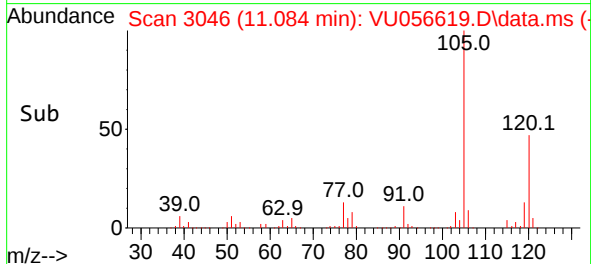
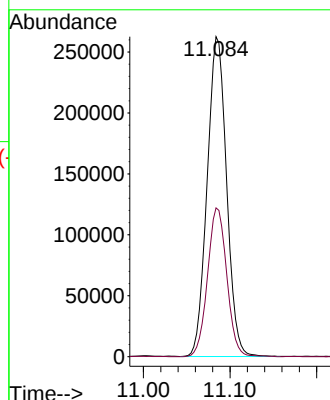
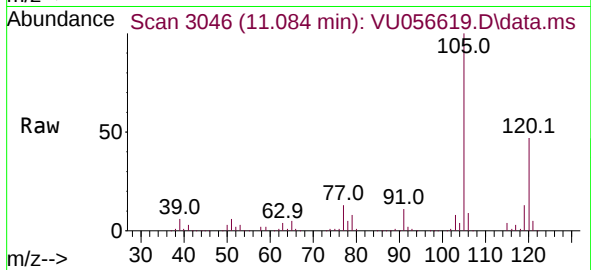




#62
1,3,5-Trimethylbenzene
Concen: 5.156 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

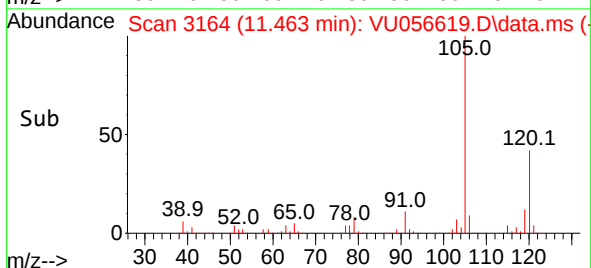
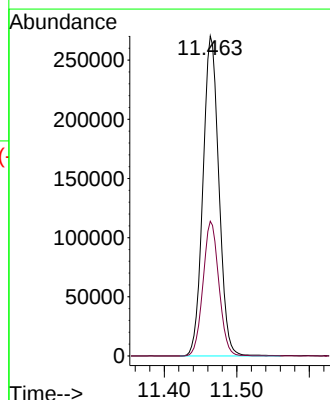
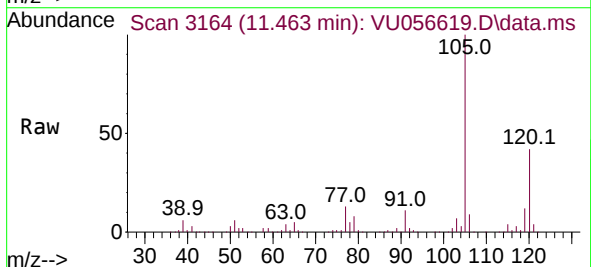
Instrument :
MSVOA_U
ClientSampleId :

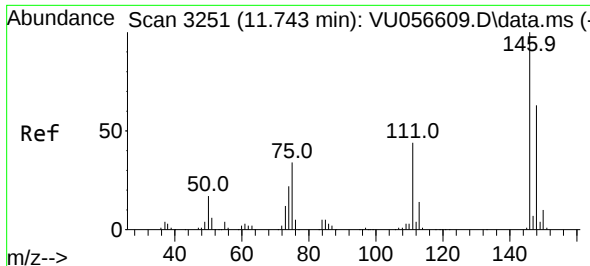
Tgt Ion:105 Resp: 408736
Ion Ratio Lower Upper
105 100
120 46.1 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 5.275 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion:105 Resp: 412823
Ion Ratio Lower Upper
105 100
120 41.9 34.0 51.0

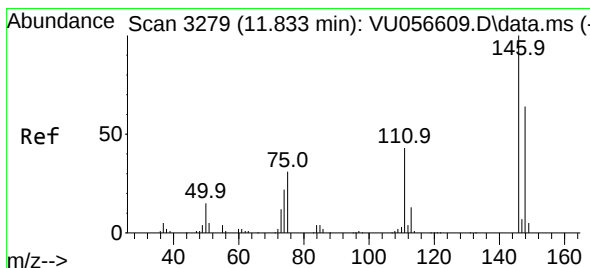
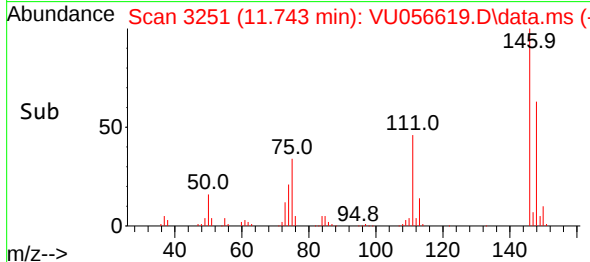
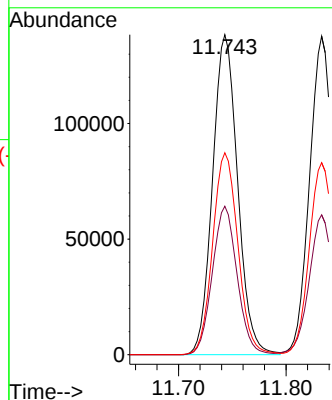
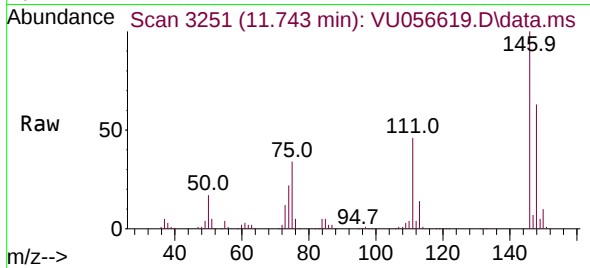




#64
1,3-Dichlorobenzene
Concen: 5.103 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

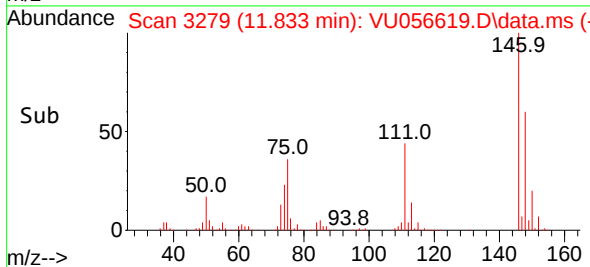
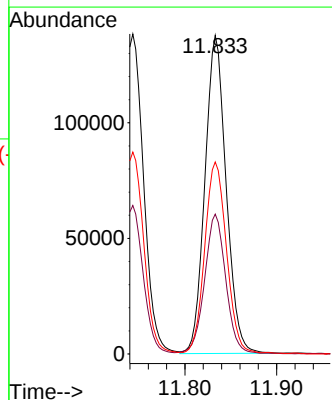
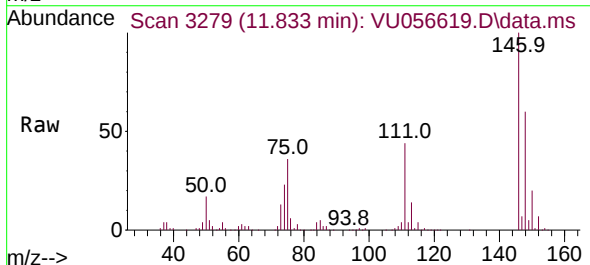
Instrument :
MSVOA_U
ClientSampleId :

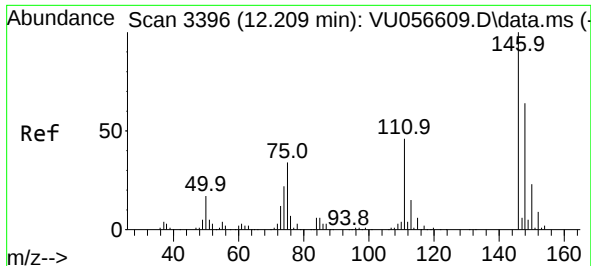
Tgt Ion:146 Resp: 224136
Ion Ratio Lower Upper
146 100
111 46.4 31.1 57.7
148 63.1 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.027 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056619.D
Acq: 28 Nov 2023 10:03

Tgt Ion:146 Resp: 221471
Ion Ratio Lower Upper
146 100
111 43.9 30.5 56.7
148 60.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.975 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

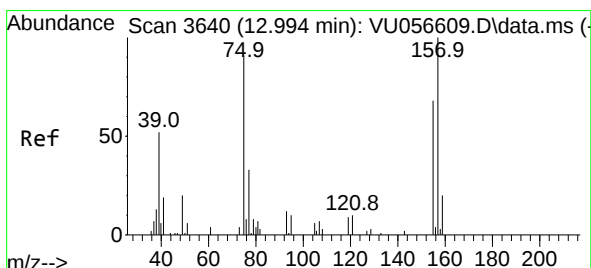
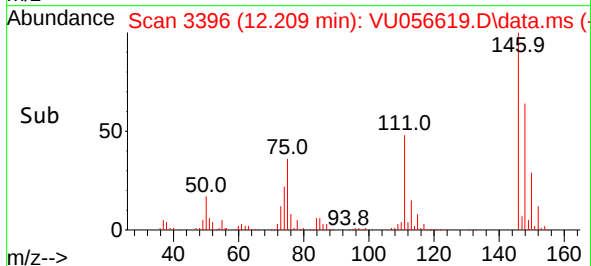
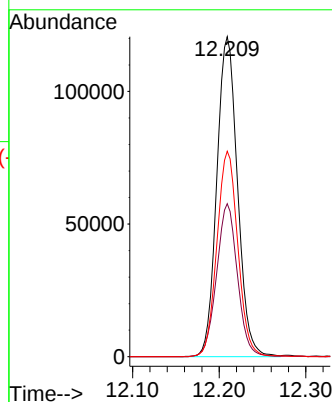
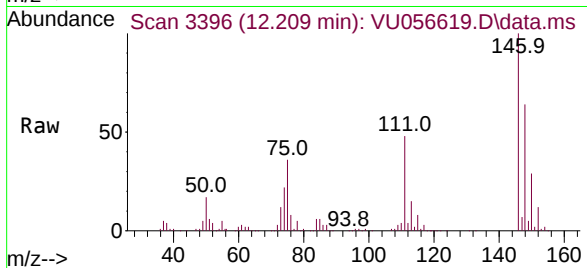
Tgt Ion:146 Resp: 200456

Ion Ratio Lower Upper

146 100

111 47.8 38.3 57.5

148 64.2 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.450 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

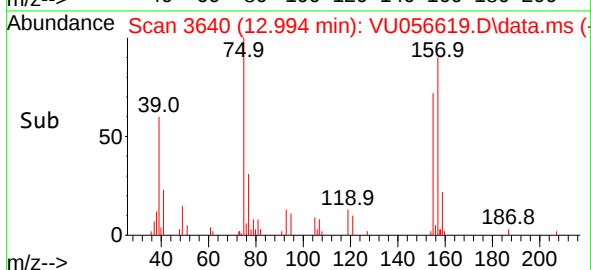
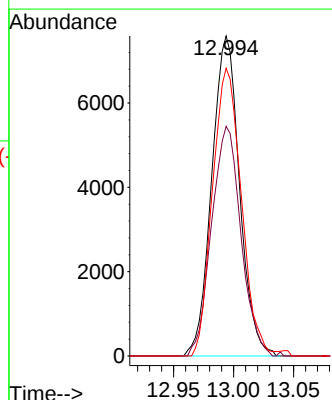
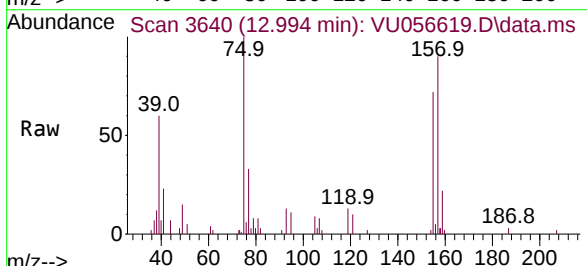
Tgt Ion: 75 Resp: 12210

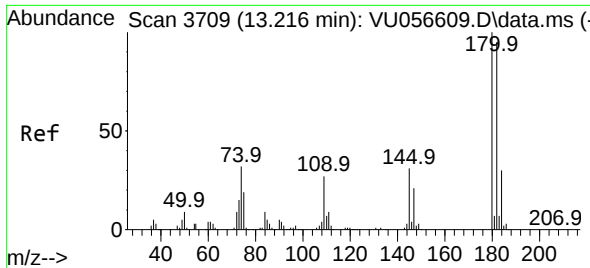
Ion Ratio Lower Upper

75 100

155 71.8 62.4 93.6

157 89.9 80.2 120.2

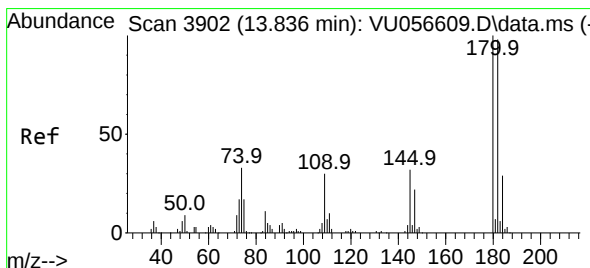
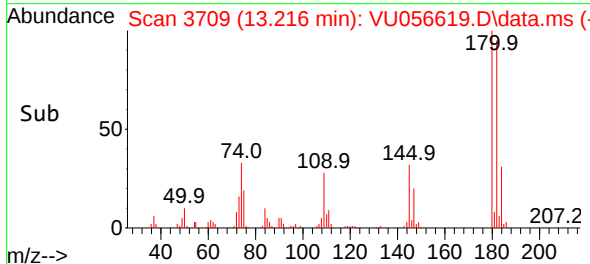
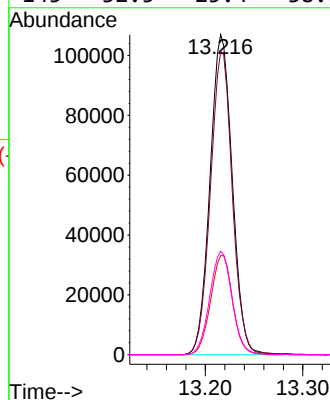
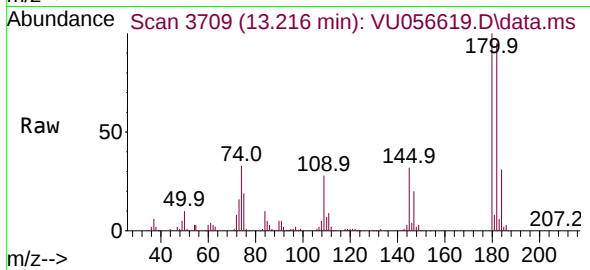




#69
 1,3,5-Trichlorobenzene
 Concen: 5.123 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

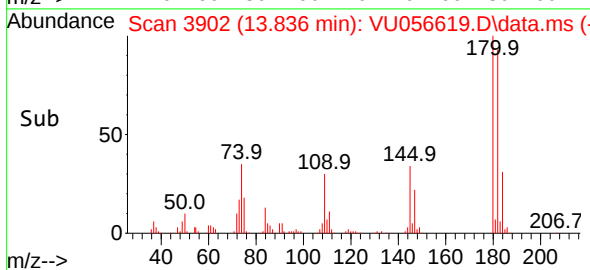
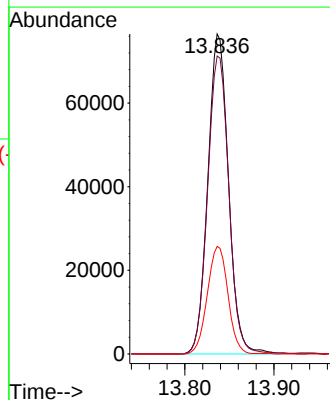
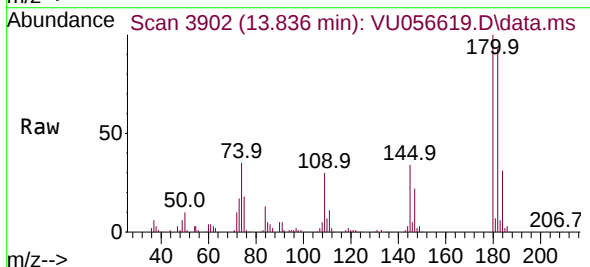
Instrument :
 MSVOA_U
 ClientSampleId :

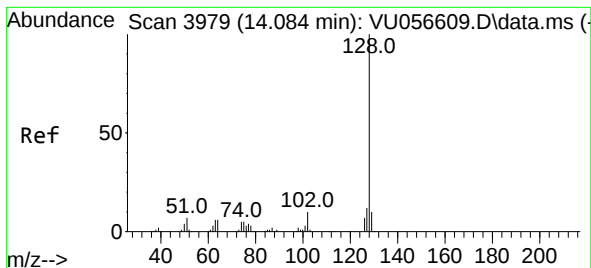
Tgt Ion:180 Resp: 169399
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.1 112.7
 184 30.8 23.5 35.3
 145 32.5 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.569 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056619.D
 Acq: 28 Nov 2023 10:03

Tgt Ion:180 Resp: 123058
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.4 113.2
 145 33.6 26.8 40.2





#71

Naphthalene

Concen: 4.278 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

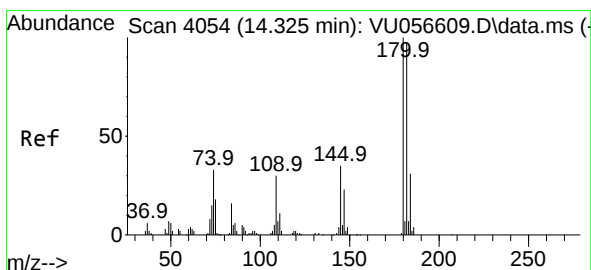
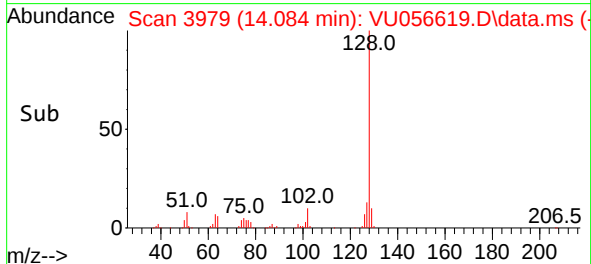
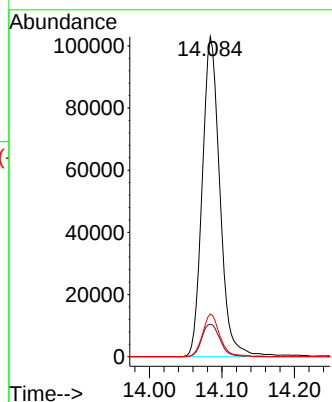
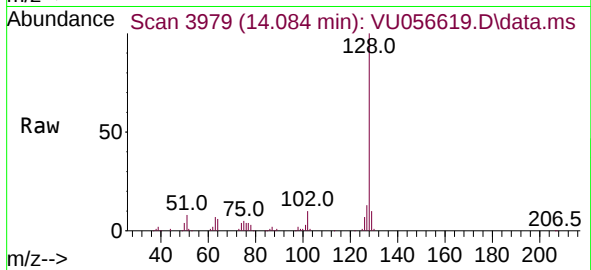
Tgt Ion:128 Resp: 174080

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

127 13.0 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.645 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU056619.D

Acq: 28 Nov 2023 10:03

Tgt Ion:180 Resp: 103046

Ion Ratio Lower Upper

180 100

182 96.6 78.6 117.8

145 35.9 29.0 43.6

