

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011023\
 Data File : VU052646.D
 Acq On : 10 Jan 2023 16:07
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 11 01:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 11 00:53:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	166772	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	161988	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	88300	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	75522	5.154	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.000%
7) Chloroethane-d5	1.916	69	60767	5.091	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.565	65	32513	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.800%
20) 2-Butanone-d5	4.642	46	208996	53.349	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.700%
24) Chloroform-d	5.060	84	140047	5.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.697	65	70032	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.726	84	281626	5.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.200%
36) 1,2-Dichloropropane-d6	6.687	67	91664	5.239	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.896	98	249343	5.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
43) trans-1,3-Dichloroprop...	8.176	79	33968	5.220	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.400%
46) 2-Hexanone-d5	8.632	63	149662	55.373	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	68204	5.091	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	85149	5.297	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	88033	4.913	ug/L	99
3) Chloromethane	1.520	50	102842	4.726	ug/L	99
5) Vinyl chloride	1.604	62	99649	4.787	ug/L	99
6) Bromomethane	1.861	94	54007	4.998	ug/L	95
8) Chloroethane	1.935	64	60409	4.773	ug/L	100
9) Trichlorofluoromethane	2.141	101	120110	4.894	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	72655	5.032	ug/L	99
12) 1,1-Dichloroethene	2.581	96	67561	4.673	ug/L	99
13) Acetone	2.658	43	139659	49.708	ug/L	100
14) Carbon disulfide	2.793	76	241902	4.841	ug/L	99
15) Methyl Acetate	2.961	43	34299	5.092	ug/L	98
16) Methylene chloride	3.044	84	103705	5.390	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	161631	5.051	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	73140	4.960	ug/L	95
19) 1,1-Dichloroethane	3.867	63	148867	4.862	ug/L	99
21) 2-Butanone	4.719	43	240869	53.256	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	80304	5.071	ug/L	96
23) Bromochloromethane	4.970	128	34265	5.111	ug/L	89
25) Chloroform	5.086	83	143494	4.767	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011023\
 Data File : VU052646.D
 Acq On : 10 Jan 2023 16:07
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 11 01:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 11 00:53:59 2023
 Response via : Initial Calibration

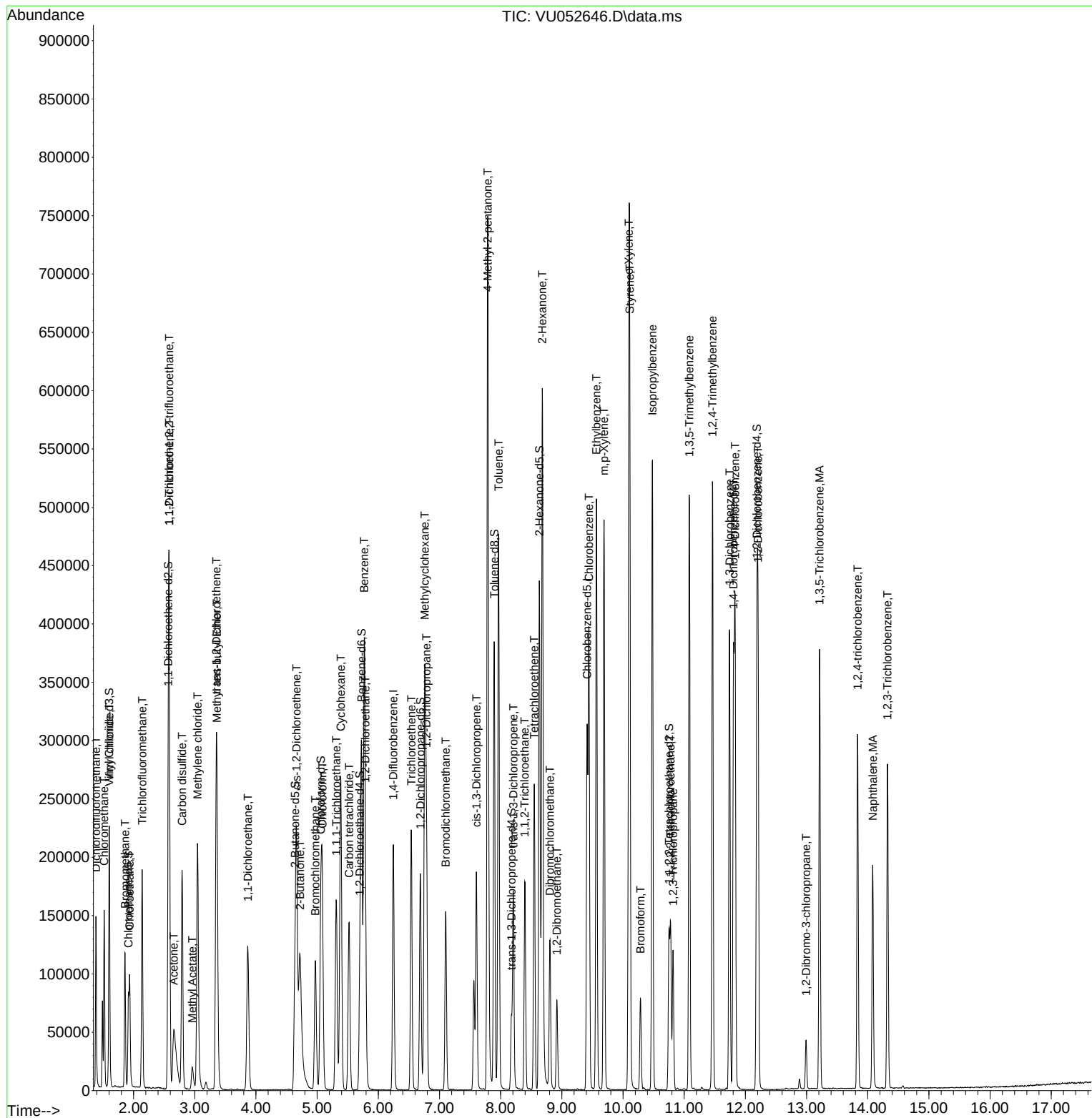
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	90823	4.979	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	120672	4.748	ug/L	98
30) Cyclohexane	5.385	56	135871	5.313	ug/L	98
31) Carbon tetrachloride	5.523	117	101707	5.107	ug/L	97
33) Benzene	5.771	78	331971	5.178	ug/L	100
34) Trichloroethene	6.539	95	76586	5.050	ug/L	98
35) Methylcyclohexane	6.761	83	130335	5.205	ug/L	100
37) 1,2-Dichloropropane	6.787	63	87460	5.083	ug/L	99
38) Bromodichloromethane	7.102	83	100938	4.982	ug/L	96
39) cis-1,3-Dichloropropene	7.604	75	114311	5.234	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	524863	53.335	ug/L	99
42) Toluene	7.967	91	336838	5.274	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	98209	5.209	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	54809	5.064	ug/L	98
47) Tetrachloroethene	8.549	164	57478	5.144	ug/L	97
48) 2-Hexanone	8.681	43	397803	55.209	ug/L	100
49) Dibromochloromethane	8.806	129	64017	5.116	ug/L	99
50) 1,2-Dibromoethane	8.919	107	49653	4.991	ug/L	98
51) Chlorobenzene	9.443	112	201211	5.057	ug/L	100
52) Ethylbenzene	9.565	91	347046	5.334	ug/L	99
53) m,p-Xylene	9.690	106	135746	5.508	ug/L	99
54) o-Xylene	10.095	106	129076	5.478	ug/L	98
55) Styrene	10.111	104	224699	5.590	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	71812	5.079	ug/L	99
59) Bromoform	10.285	173	33870	4.933	ug/L	97
60) Isopropylbenzene	10.481	105	337734	5.396	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	51589	5.027	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	268499	5.379	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	275859	5.486	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	153464	5.155	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	155594	5.123	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	139889	4.993	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	11676	4.933	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	110307	4.988	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	89921	5.070	ug/L	97
71) Naphthalene	14.082	128	152292	4.946	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	83058	5.112	ug/L	99

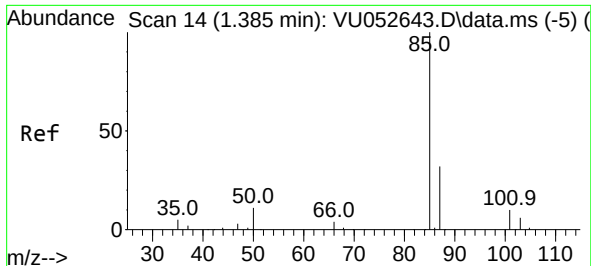
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011023\
Data File : VU052646.D
Acq On : 10 Jan 2023 16:07
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 11 01:03:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 11 00:53:59 2023
Response via : Initial Calibration

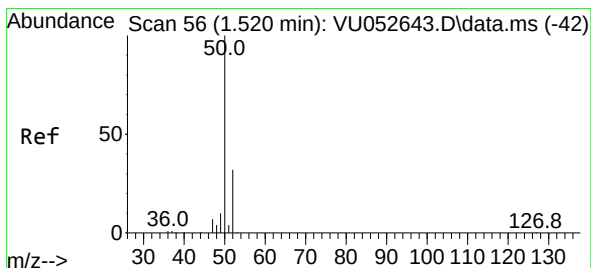
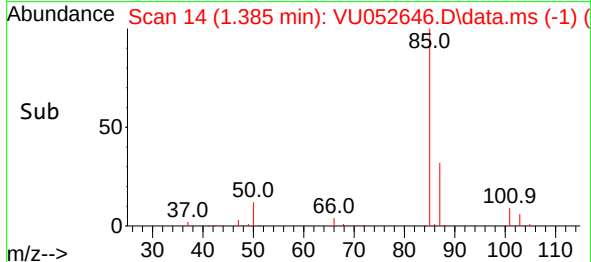
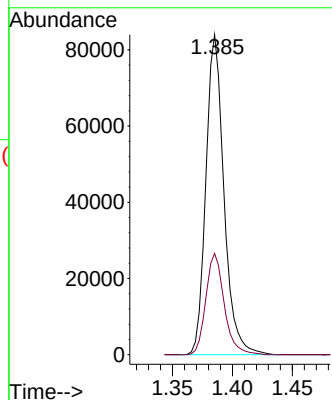
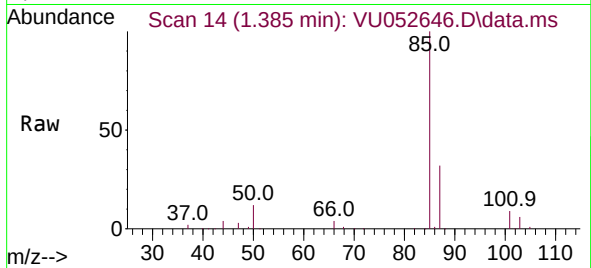




#2
Dichlorodifluoromethane
Concen: 4.913 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

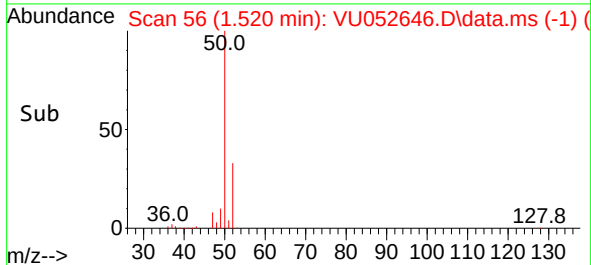
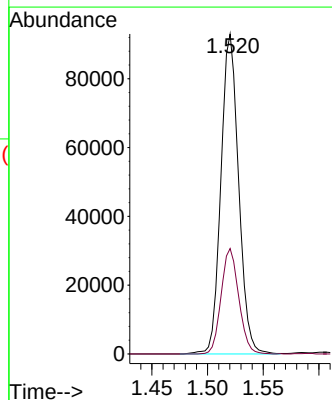
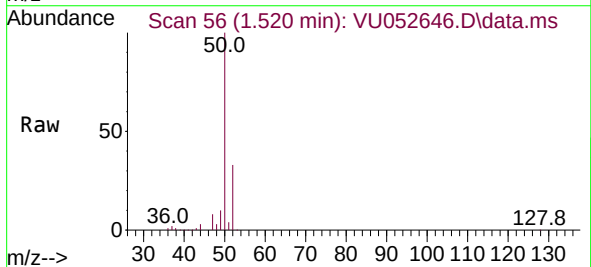
Instrument :
MSVOA_U
ClientSampleId :

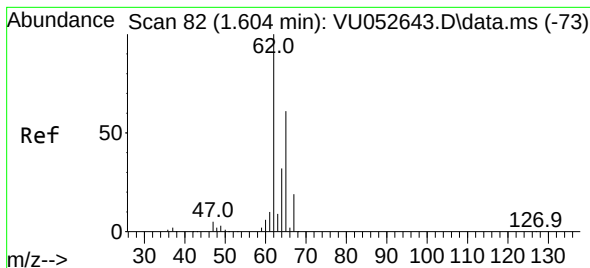
Tgt Ion: 85 Resp: 88033
Ion Ratio Lower Upper
85 100
87 32.2 25.5 38.3



#3
Chloromethane
Concen: 4.726 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion: 50 Resp: 102842
Ion Ratio Lower Upper
50 100
52 32.9 22.7 42.3





#5

Vinyl chloride

Concen: 4.787 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

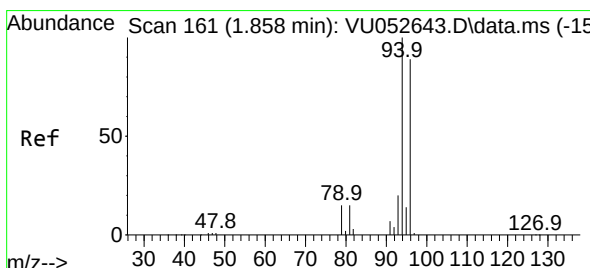
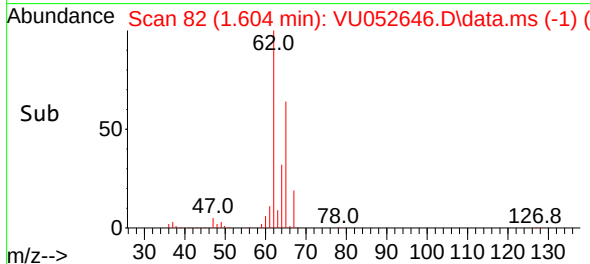
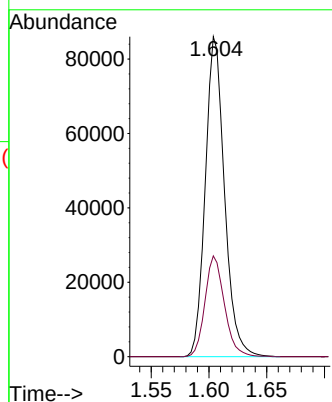
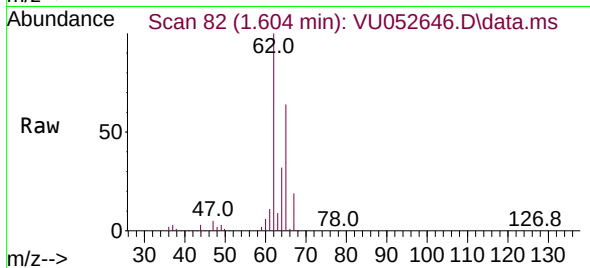
ClientSampleId :

Tgt Ion: 62 Resp: 99649

Ion Ratio Lower Upper

62 100

64 31.5 22.3 41.3



#6

Bromomethane

Concen: 4.998 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.003 min

Lab File: VU052646.D

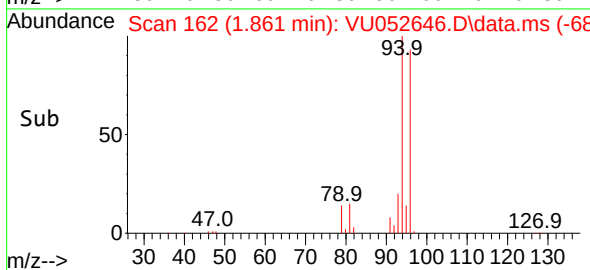
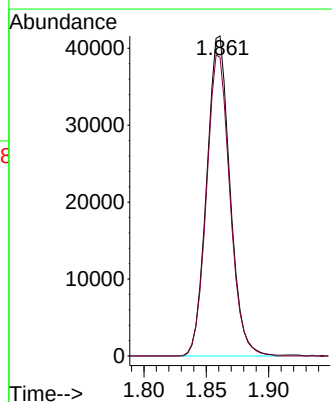
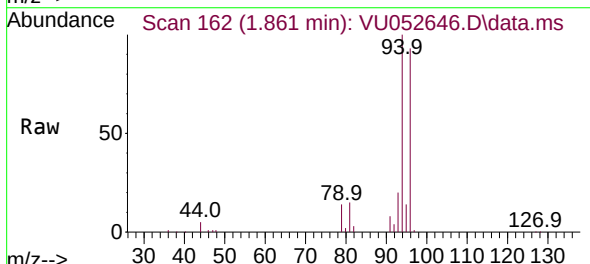
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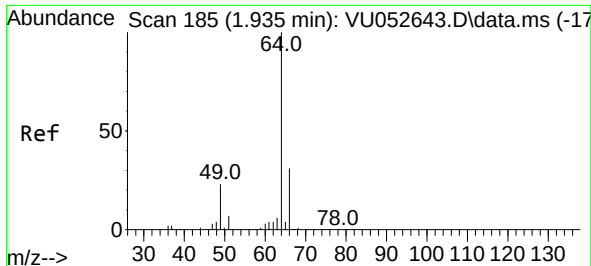
Tgt Ion: 94 Resp: 54007

Ion Ratio Lower Upper

94 100

96 93.4 62.2 115.6

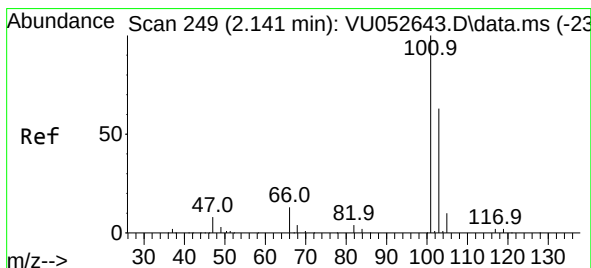
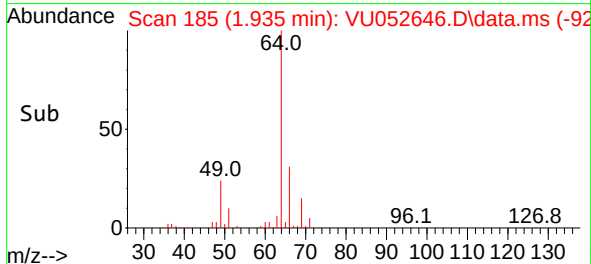
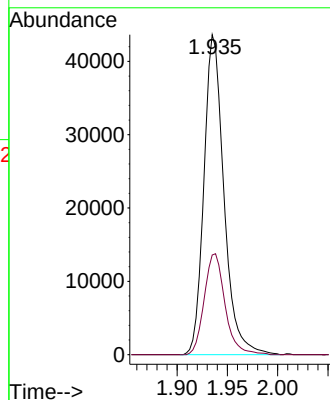
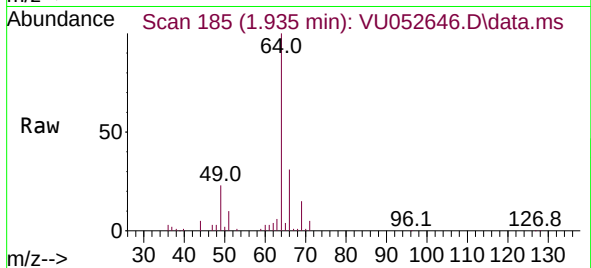




#8
Chloroethane
Concen: 4.773 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

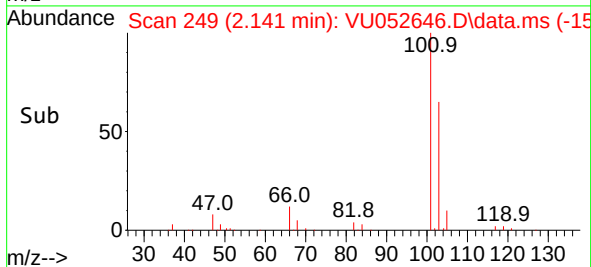
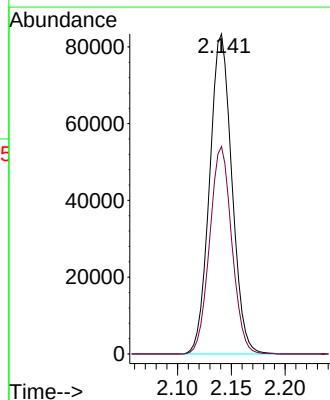
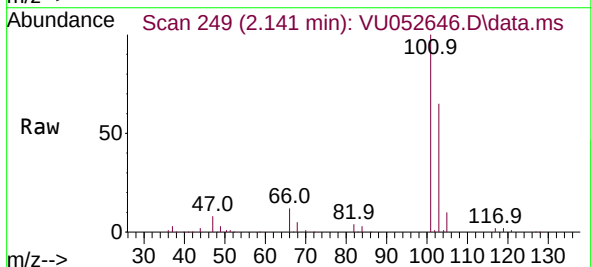
Instrument :
MSVOA_U
ClientSampleId :

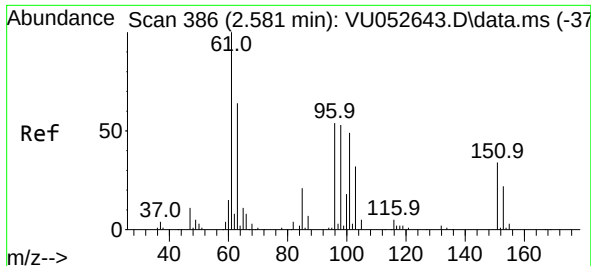
Tgt Ion: 64 Resp: 60409
Ion Ratio Lower Upper
64 100
66 31.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.894 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion: 101 Resp: 120110
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

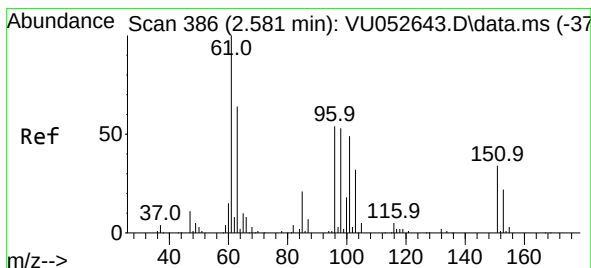
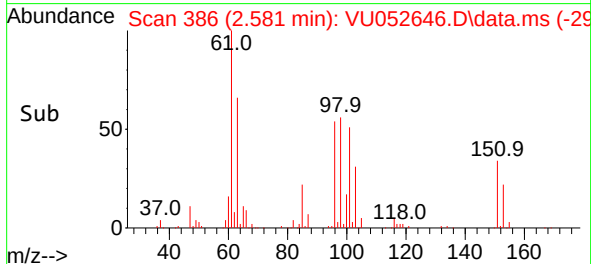
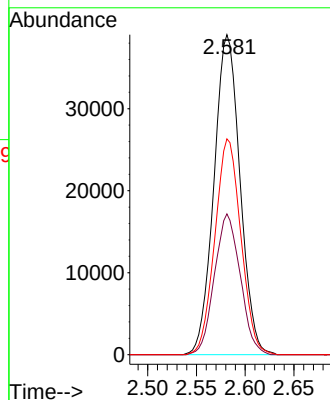
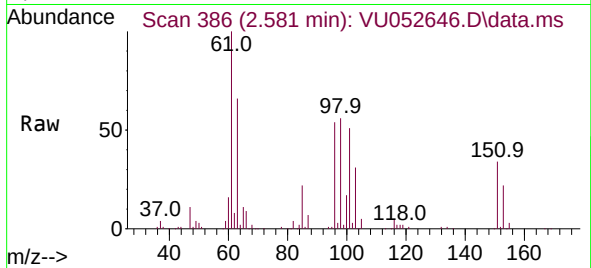




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.032 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052646.D
 Acq: 10 Jan 2023 16:07

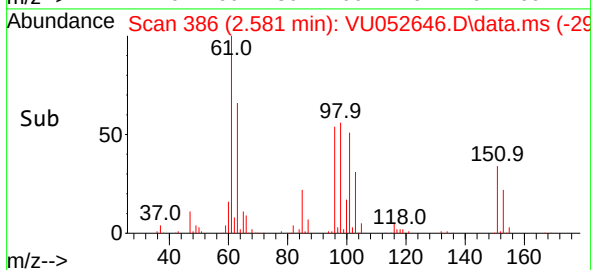
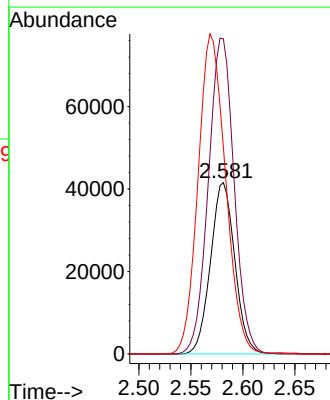
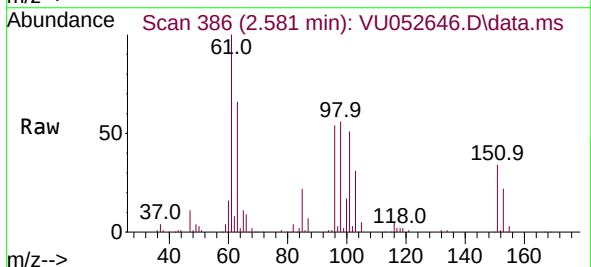
Instrument :
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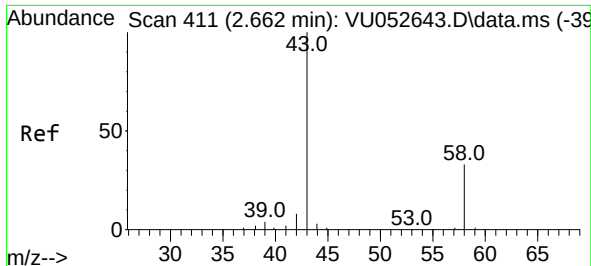
Tgt Ion:	101	Resp:	72655
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.0	52.6
151	67.3	55.0	82.6



#12
 1,1-Dichloroethene
 Concen: 4.673 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052646.D
 Acq: 10 Jan 2023 16:07

Tgt Ion:	96	Resp:	67561
Ion Ratio	Lower	Upper	
96	100		
61	183.9	129.6	240.8
63	120.5	83.7	155.5





#13

Acetone

Concen: 49.708 ug/L

RT: 2.658 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

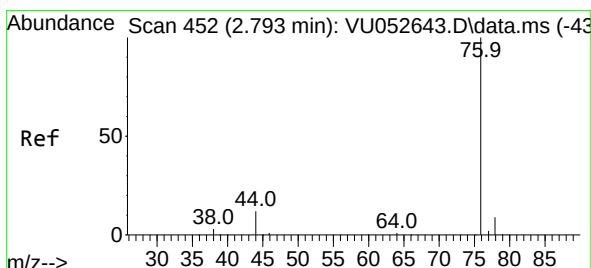
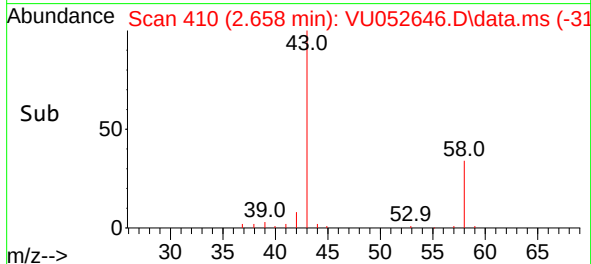
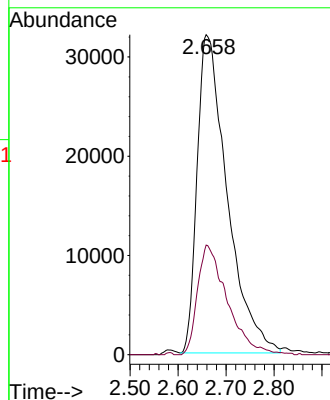
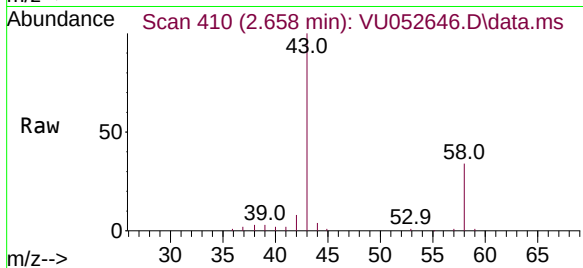
ClientSampleId :

Tgt Ion: 43 Resp: 139659

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.8



#14

Carbon disulfide

Concen: 4.841 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052646.D

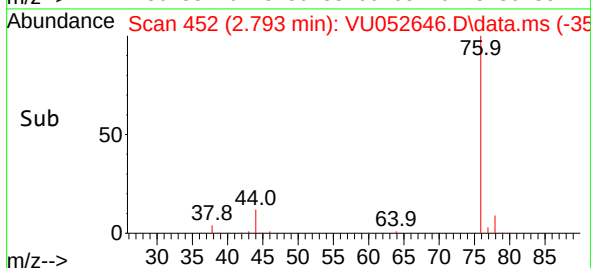
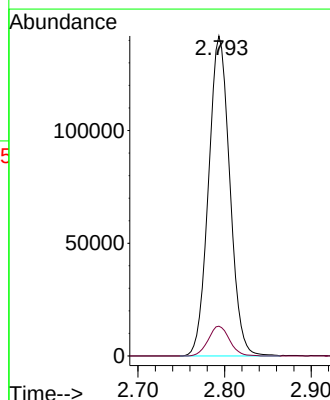
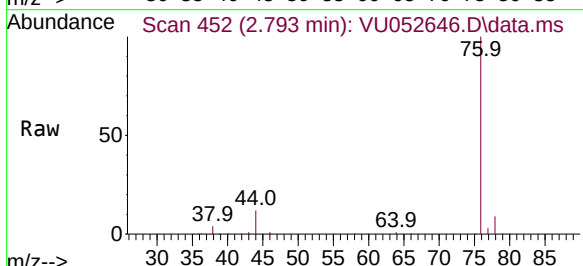
Acq: 10 Jan 2023 16:07

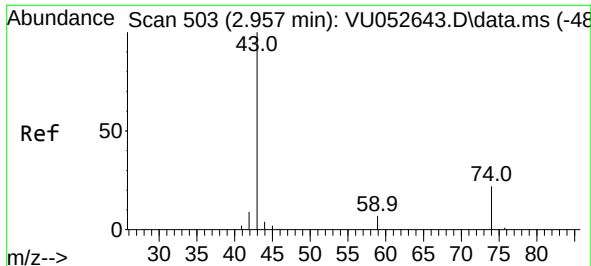
Tgt Ion: 76 Resp: 241902

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

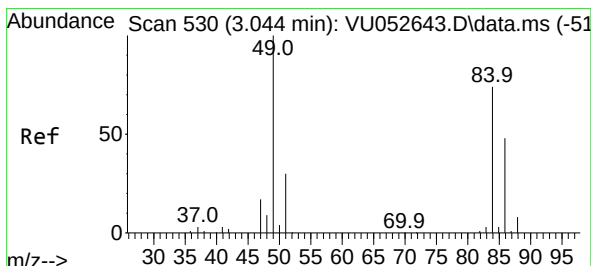
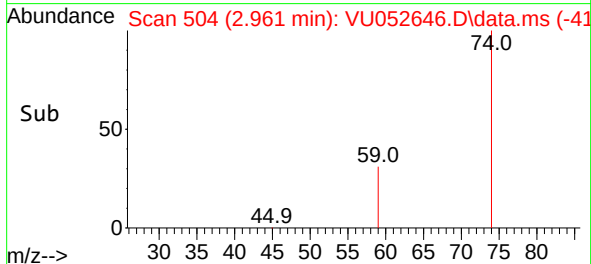
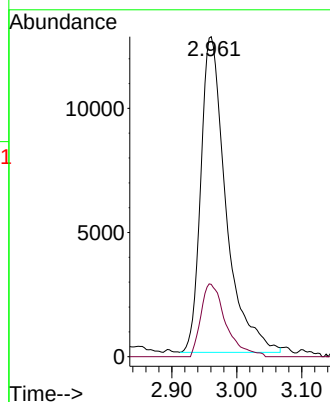
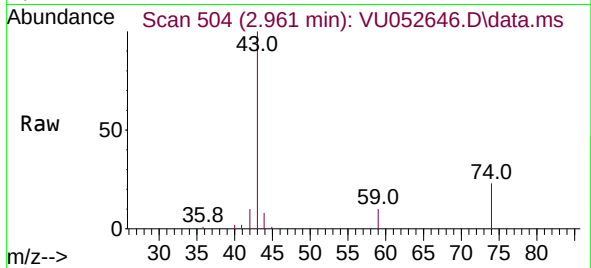




#15
Methyl Acetate
Concen: 5.092 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

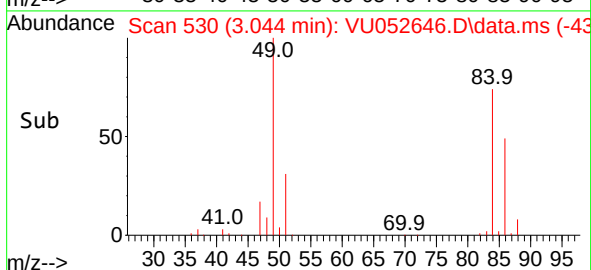
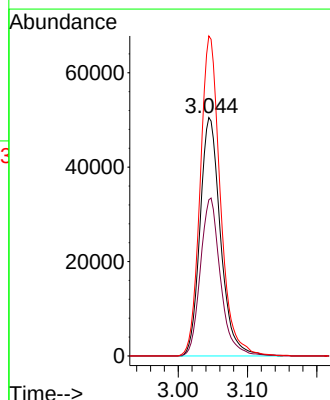
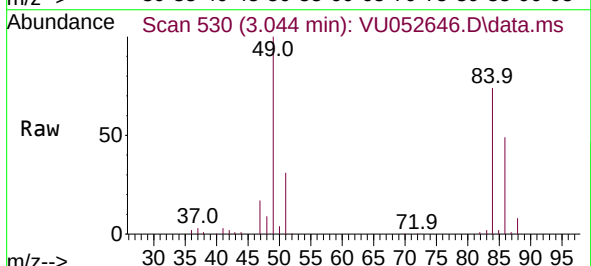
Instrument :
MSVOA_U
ClientSampleId :

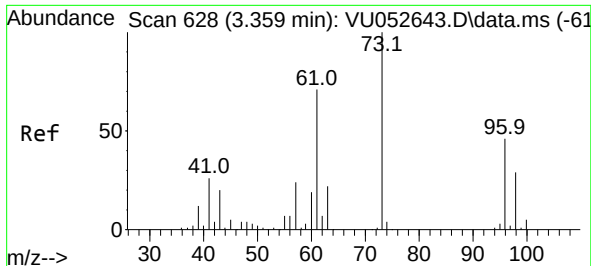
Tgt Ion: 43 Resp: 34299
Ion Ratio Lower Upper
43 100
74 22.7 17.5 26.3



#16
Methylene chloride
Concen: 5.390 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion: 84 Resp: 103705
Ion Ratio Lower Upper
84 100
86 65.5 45.6 84.6
49 134.2 94.8 176.0





#17

Methyl tert-butyl Ether

Concen: 5.051 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

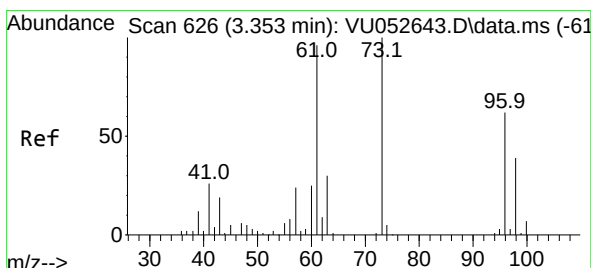
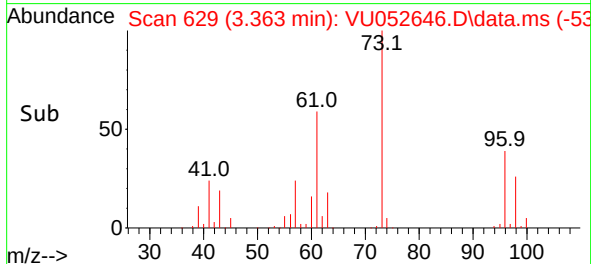
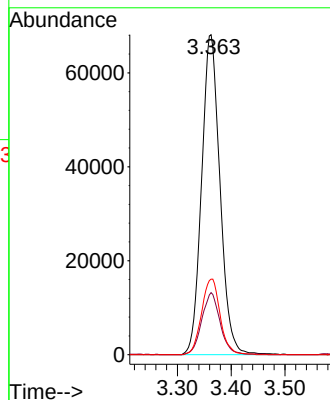
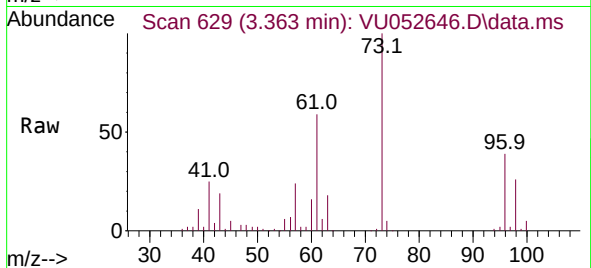
Tgt Ion: 73 Resp: 161631

Ion Ratio Lower Upper

73 100

43 19.3 15.8 23.8

57 23.9 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 4.960 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

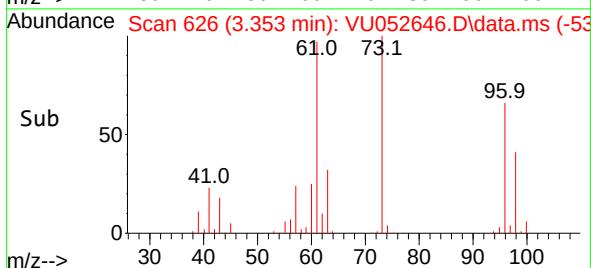
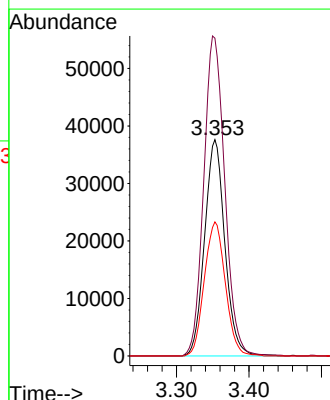
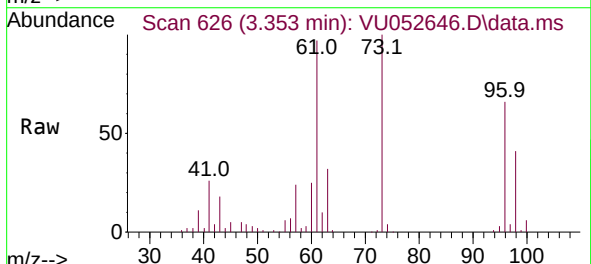
Tgt Ion: 96 Resp: 73140

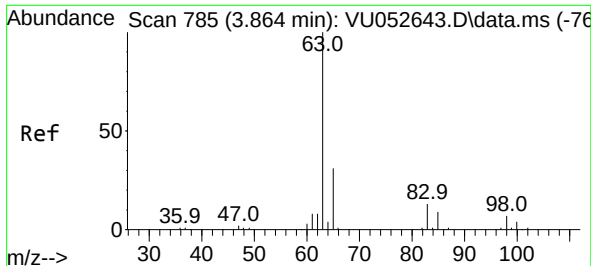
Ion Ratio Lower Upper

96 100

61 146.9 108.4 201.4

98 62.0 43.8 81.4





#19

1,1-Dichloroethane

Concen: 4.862 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

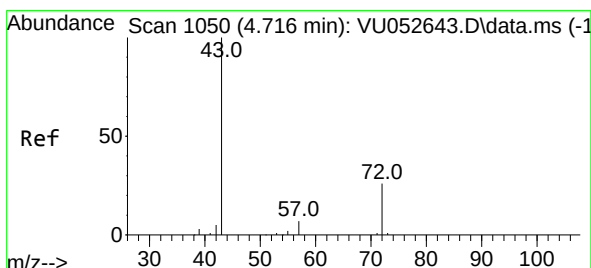
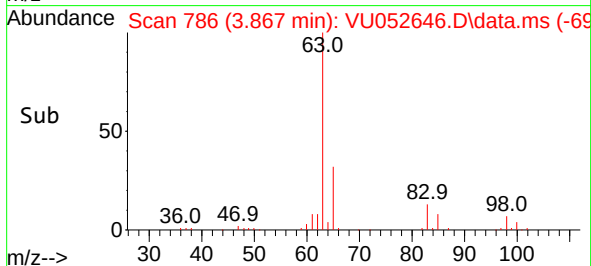
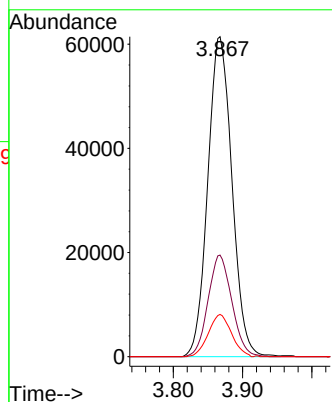
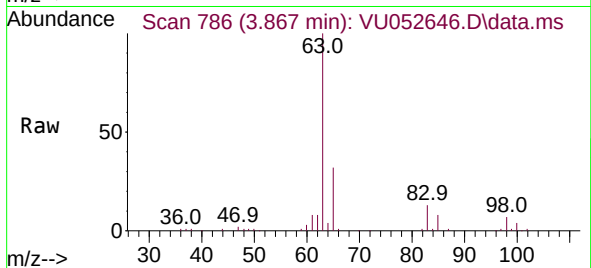
Tgt Ion: 63 Resp: 148867

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 13.2 8.9 16.5



#21

2-Butanone

Concen: 53.256 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.003 min

Lab File: VU052646.D

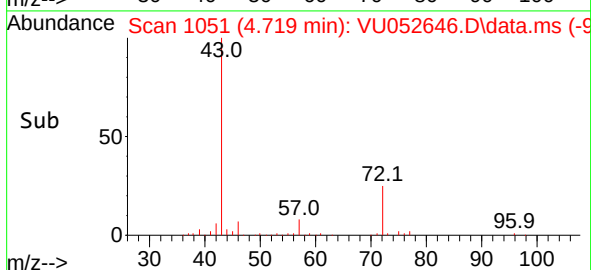
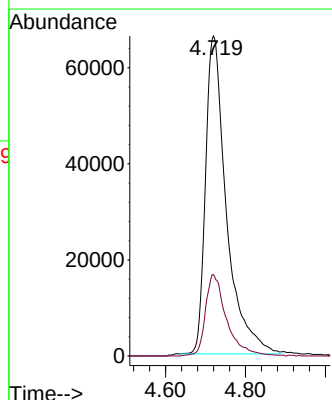
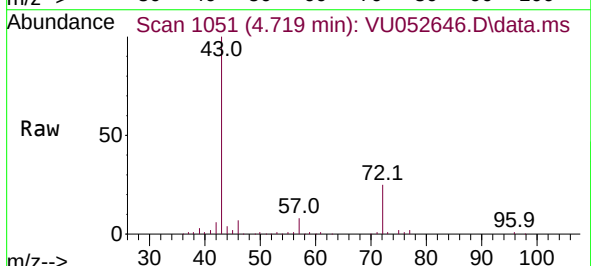
Acq: 10 Jan 2023 16:07

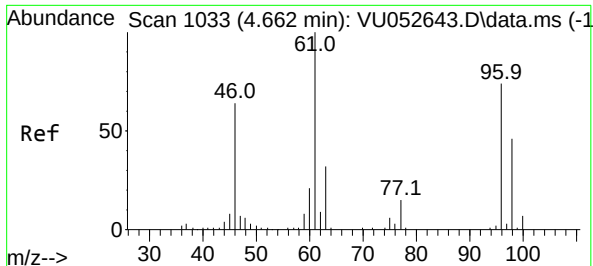
Tgt Ion: 43 Resp: 240869

Ion Ratio Lower Upper

43 100

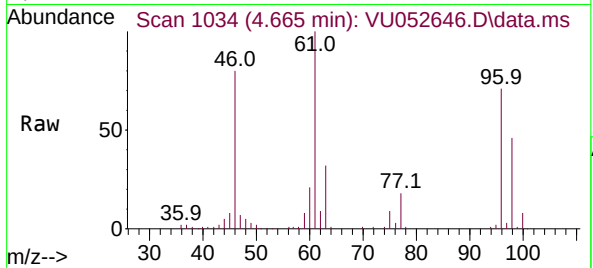
72 25.8 12.9 38.6



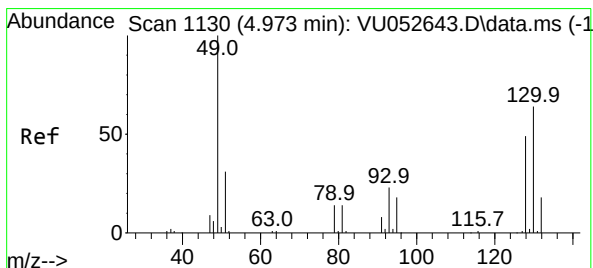
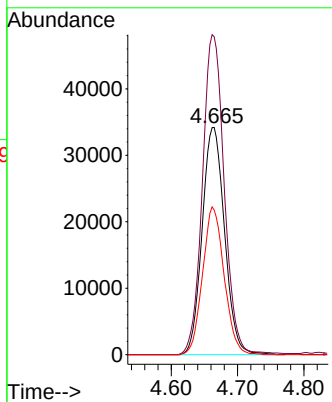
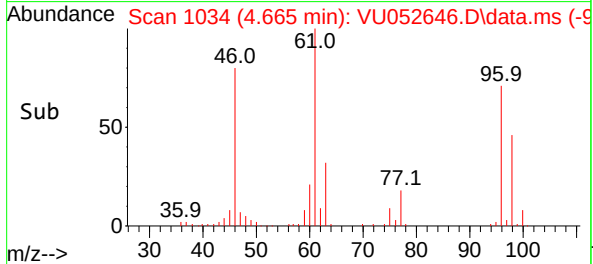


#22
 cis-1,2-Dichloroethene
 Concen: 5.071 ug/L
 RT: 4.665 min Scan# 1129
 Delta R.T. 0.003 min
 Lab File: VU052646.D
 Acq: 10 Jan 2023 16:07

Instrument :
 MSVOA_U
 ClientSampleId :

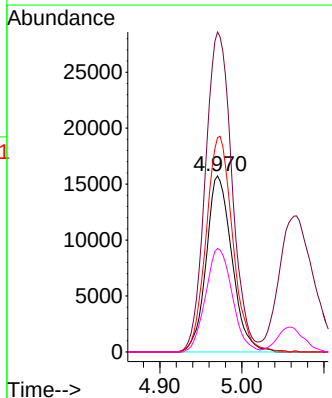
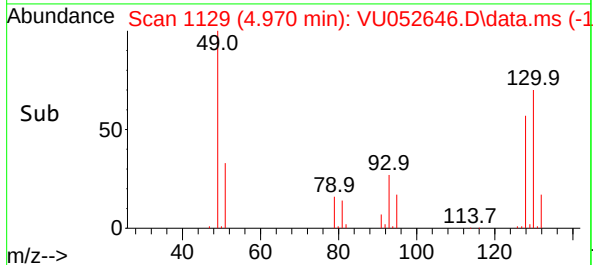
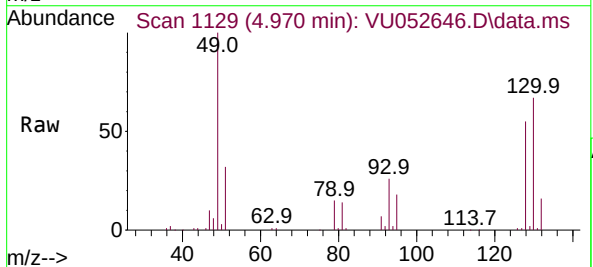


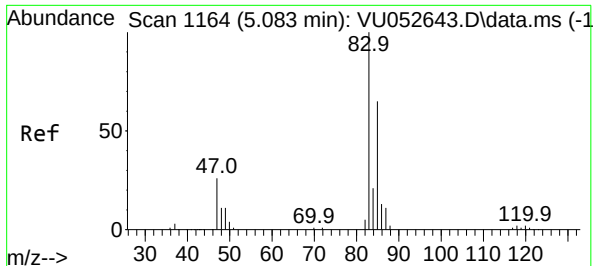
Tgt Ion: 96 Resp: 80304
 Ion Ratio Lower Upper
 96 100
 61 139.9 94.6 175.8
 98 63.7 43.3 80.3



#23
 Bromochloromethane
 Concen: 5.111 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU052646.D
 Acq: 10 Jan 2023 16:07

Tgt Ion: 128 Resp: 34265
 Ion Ratio Lower Upper
 128 100
 49 181.8 142.8 265.2
 130 121.9 91.3 169.5
 51 58.9 51.0 76.4





#25

Chloroform

Concen: 4.767 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

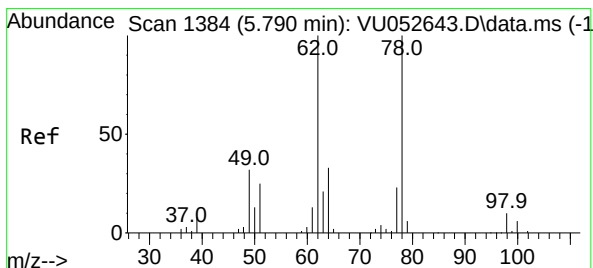
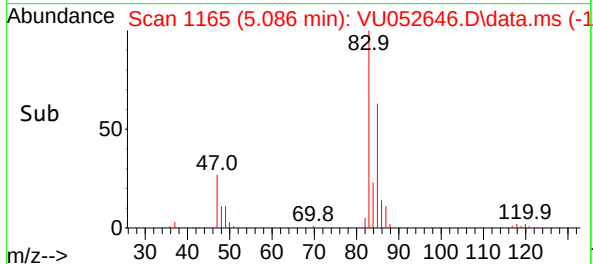
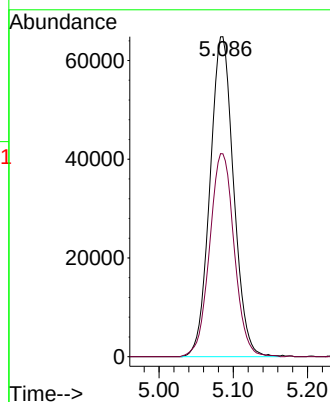
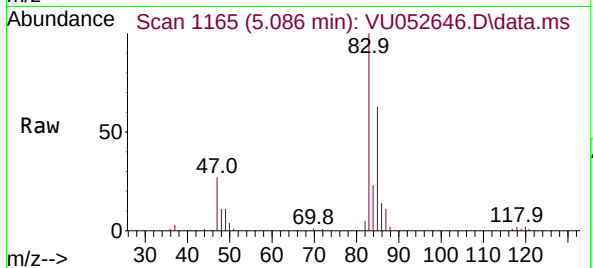
ClientSampleId :

Tgt Ion: 83 Resp: 143494

Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.979 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052646.D

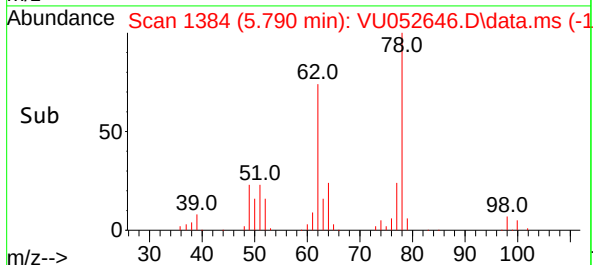
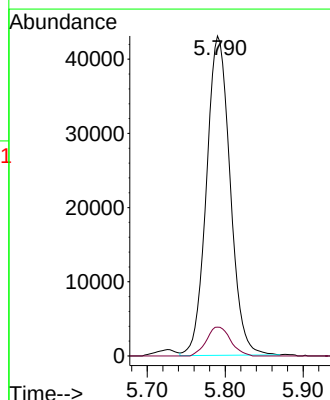
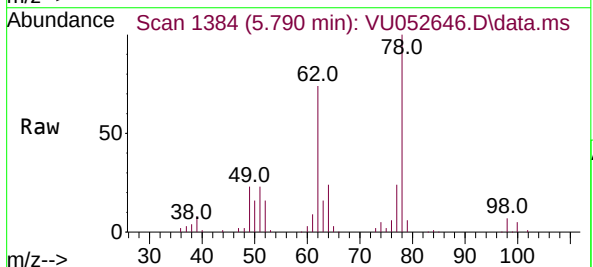
Acq: 10 Jan 2023 16:07

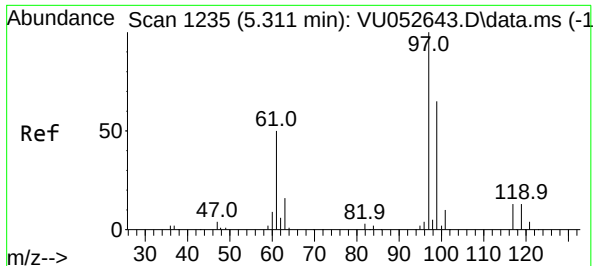
Tgt Ion: 62 Resp: 90823

Ion Ratio Lower Upper

62 100

98 9.0 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.748 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

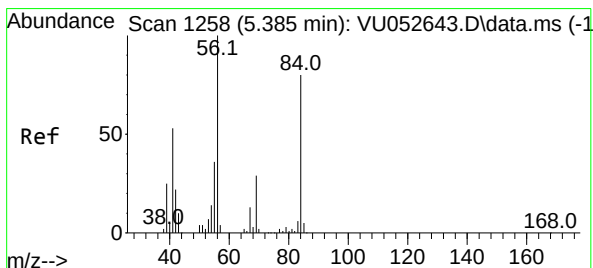
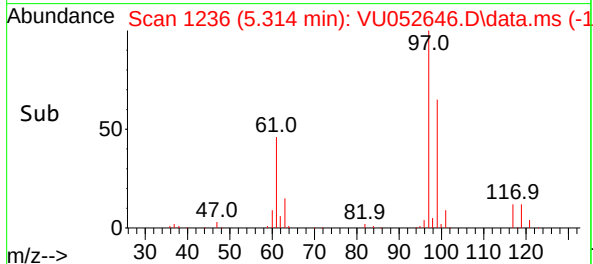
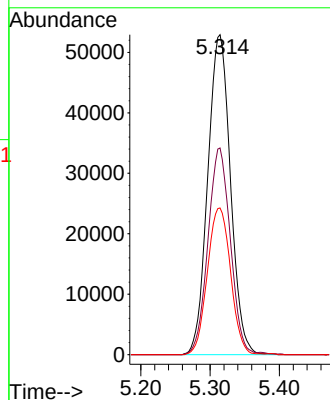
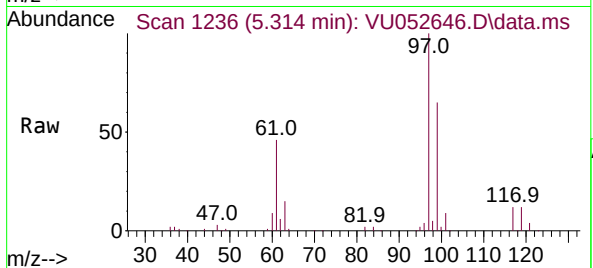
Tgt Ion: 97 Resp: 120672

Ion Ratio Lower Upper

97 100

99 63.5 52.4 78.6

61 46.8 38.5 57.7



#30

Cyclohexane

Concen: 5.313 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

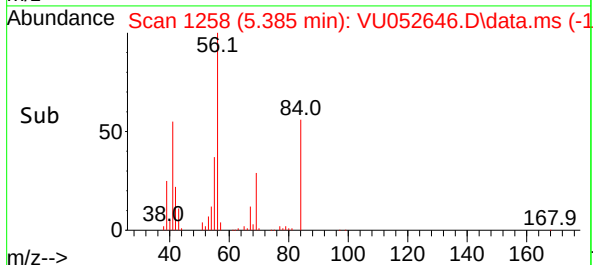
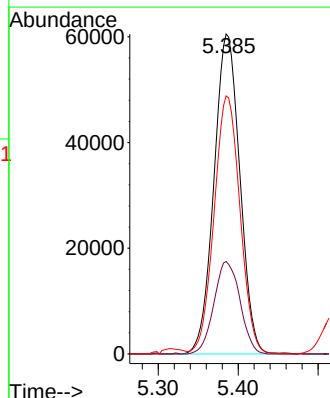
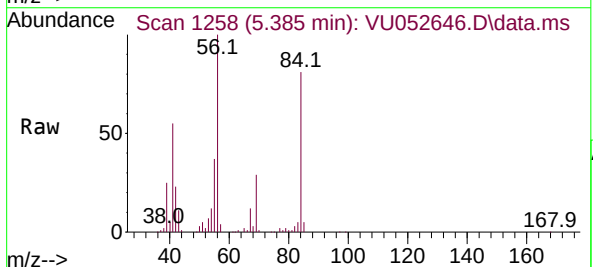
Tgt Ion: 56 Resp: 135871

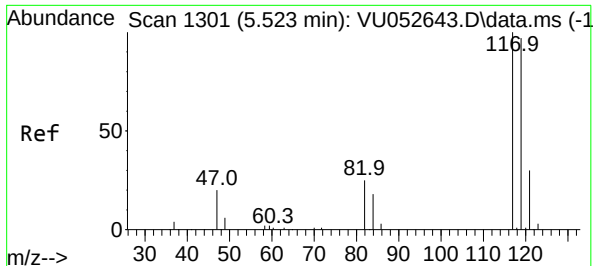
Ion Ratio Lower Upper

56 100

69 29.1 23.8 35.8

84 80.8 66.2 99.4

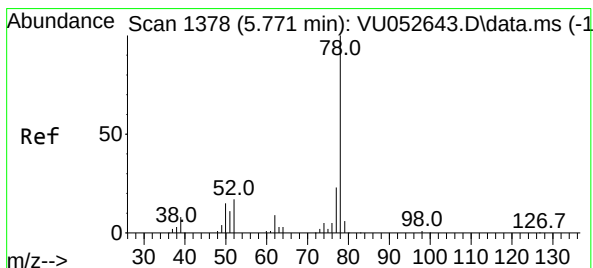
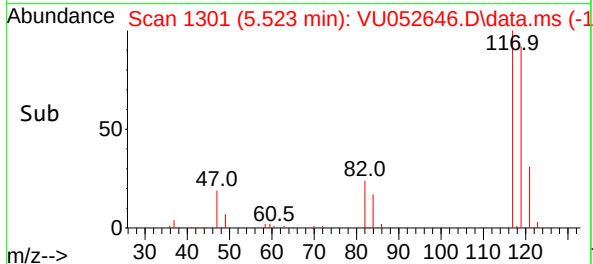
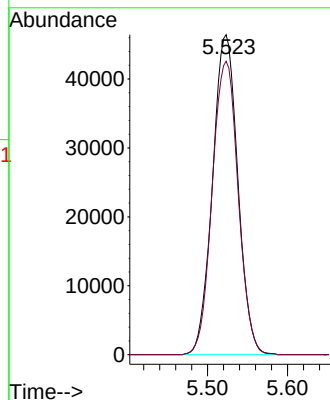
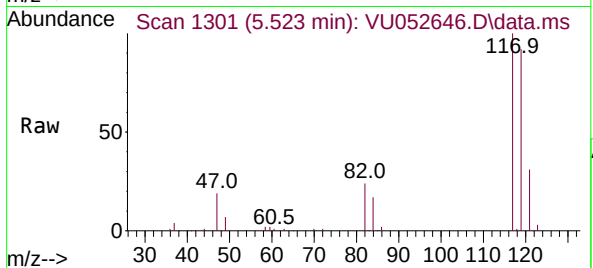




#31
Carbon tetrachloride
Concen: 5.107 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

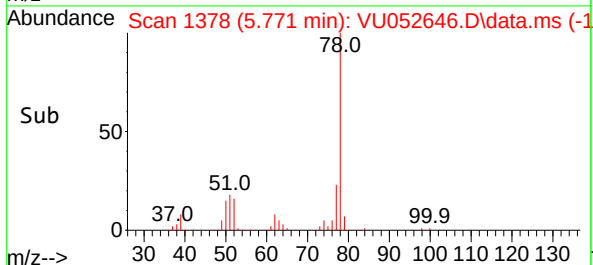
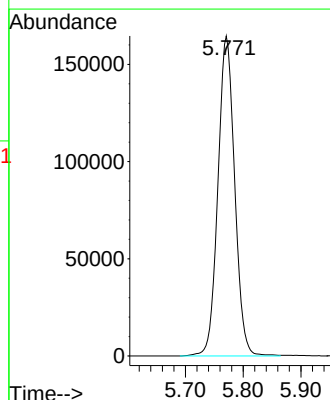
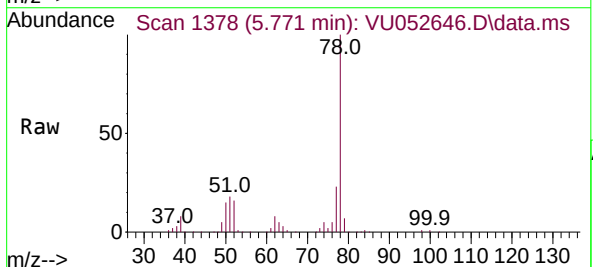
Instrument :
MSVOA_U
ClientSampleId :

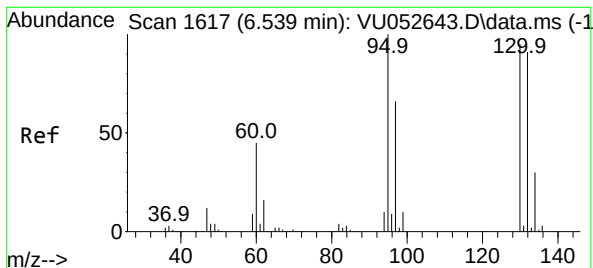
Tgt Ion:117 Resp: 101707
Ion Ratio Lower Upper
117 100
119 94.3 77.8 116.8



#33
Benzene
Concen: 5.178 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion: 78 Resp: 331971





#34

Trichloroethene

Concen: 5.050 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 76586

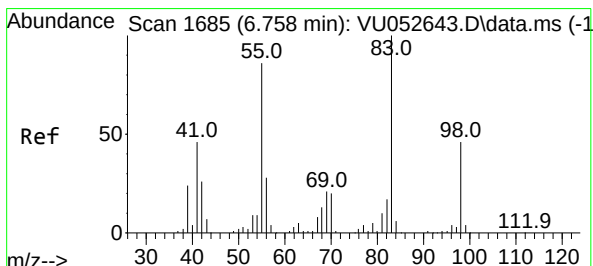
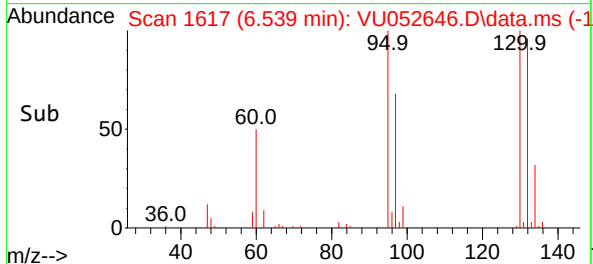
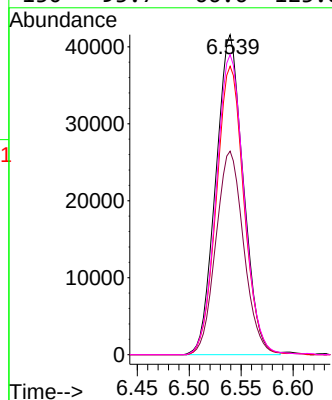
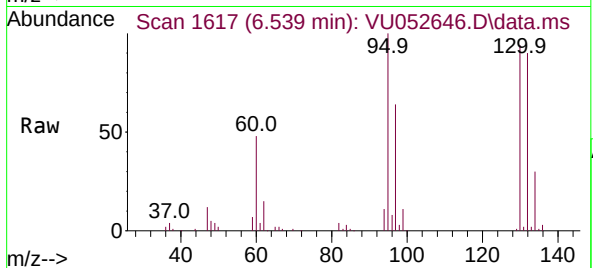
Ion Ratio Lower Upper

95 100

97 63.6 46.0 85.4

132 90.1 64.0 118.8

130 93.7 66.6 123.8



#35

Methylcyclohexane

Concen: 5.205 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

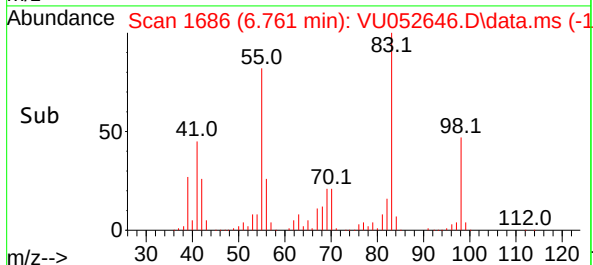
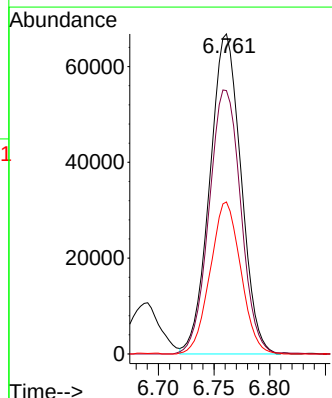
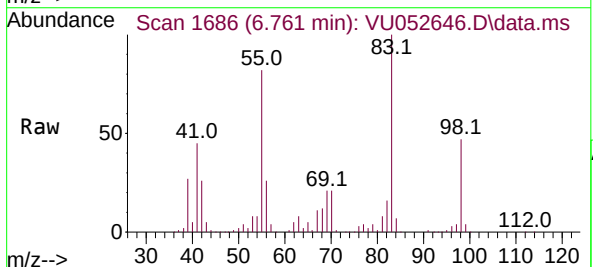
Tgt Ion: 83 Resp: 130335

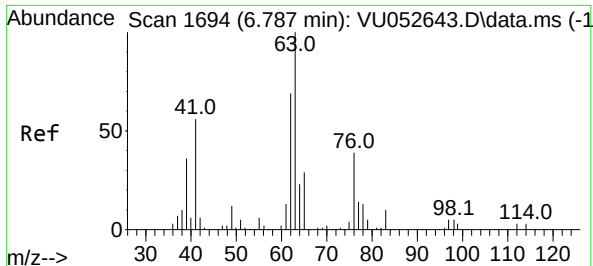
Ion Ratio Lower Upper

83 100

55 84.1 67.6 101.4

98 46.6 37.1 55.7





#37

1,2-Dichloropropane

Concen: 5.083 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

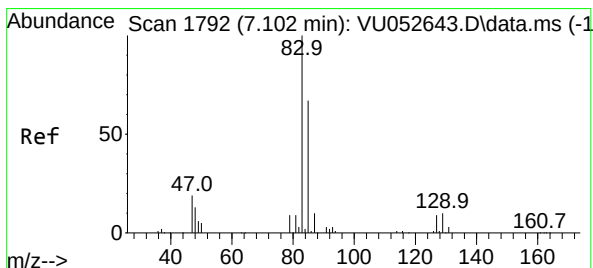
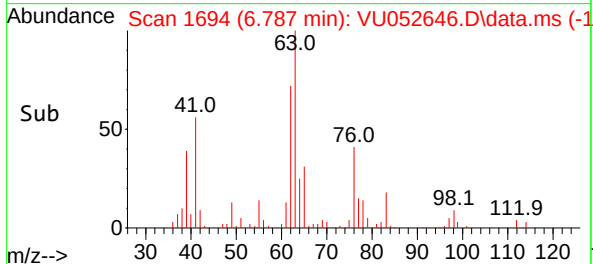
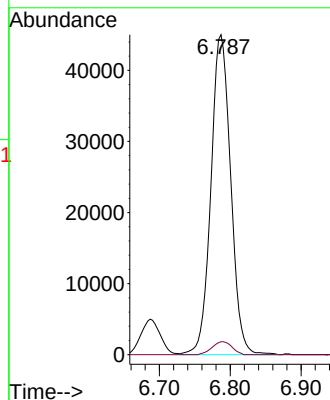
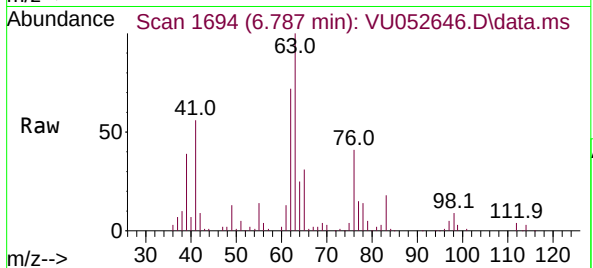
ClientSampleId :

Tgt Ion: 63 Resp: 87460

Ion Ratio Lower Upper

63 100

112 4.1 2.9 4.3



#38

Bromodichloromethane

Concen: 4.982 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

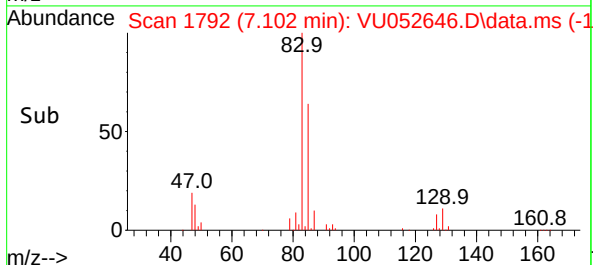
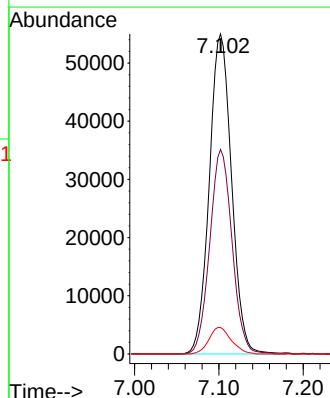
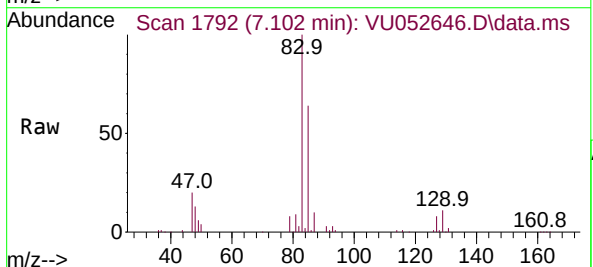
Tgt Ion: 83 Resp: 100938

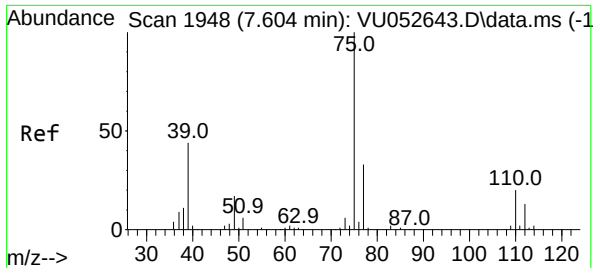
Ion Ratio Lower Upper

83 100

85 63.9 47.0 87.4

127 8.2 6.9 10.3

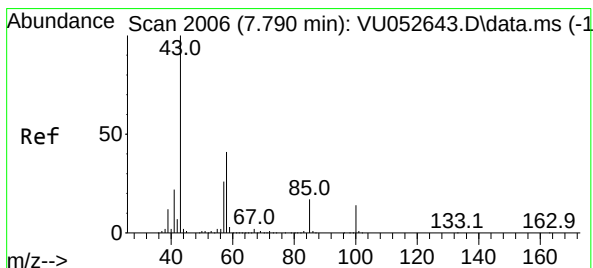
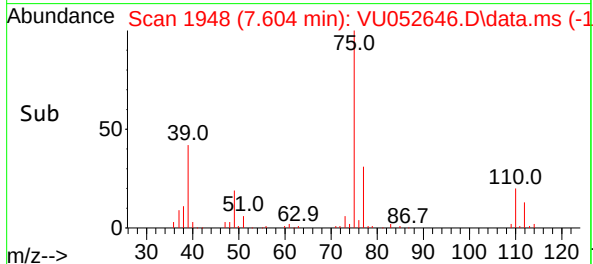
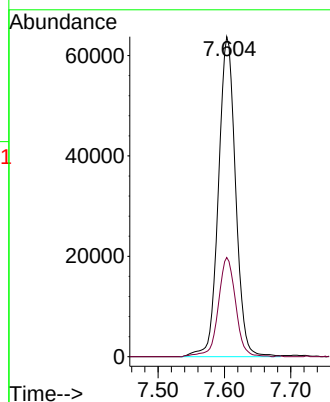
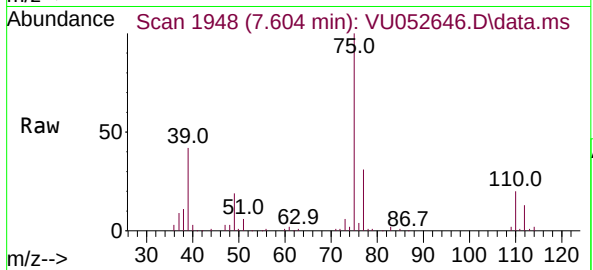




#39
 cis-1,3-Dichloropropene
 Concen: 5.234 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VU052646.D
 Acq: 10 Jan 2023 16:07

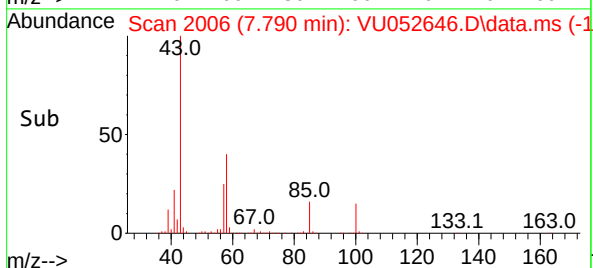
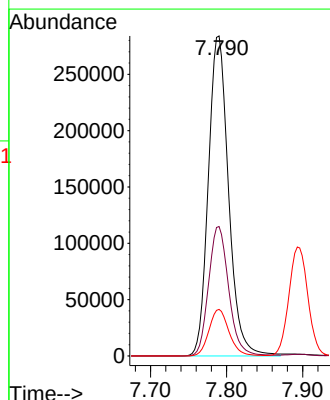
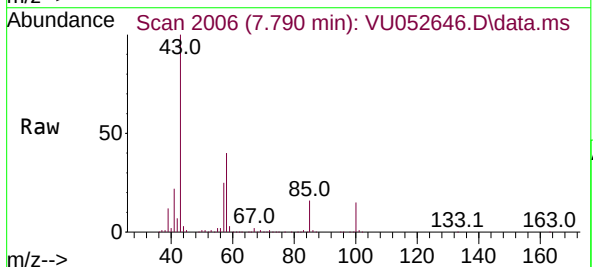
Instrument :
 MSVOA_U
 ClientSampleId :

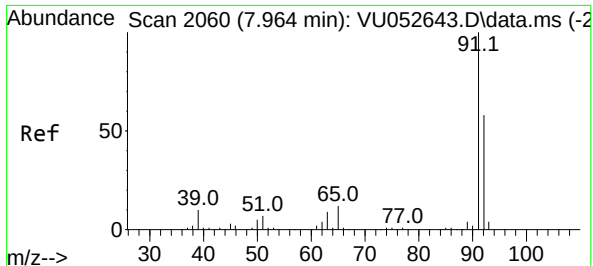
Tgt Ion: 75 Resp: 114311
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 53.335 ug/L
 RT: 7.790 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VU052646.D
 Acq: 10 Jan 2023 16:07

Tgt Ion: 43 Resp: 524863
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.0 48.0
 100 14.5 11.3 16.9





#42

Toluene

Concen: 5.274 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

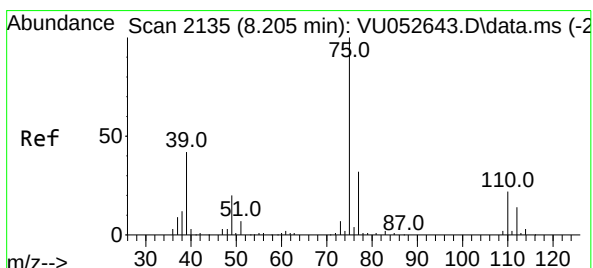
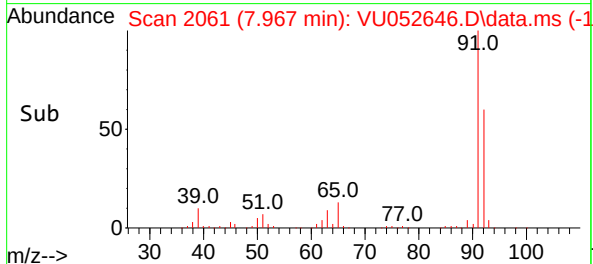
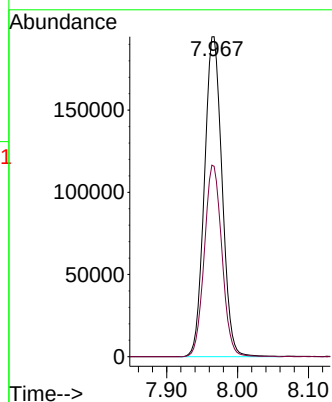
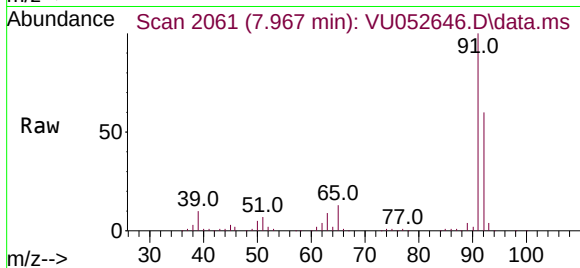
ClientSampleId :

Tgt Ion: 91 Resp: 336838

Ion Ratio Lower Upper

91 100

92 59.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.209 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU052646.D

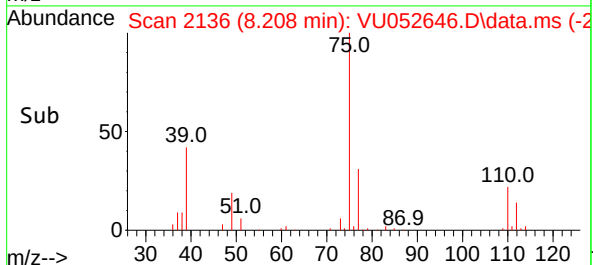
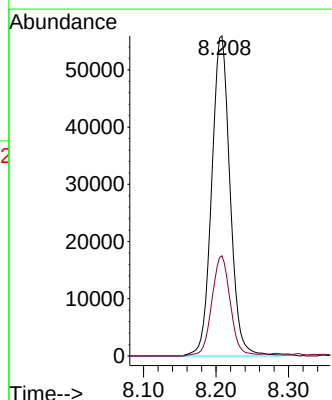
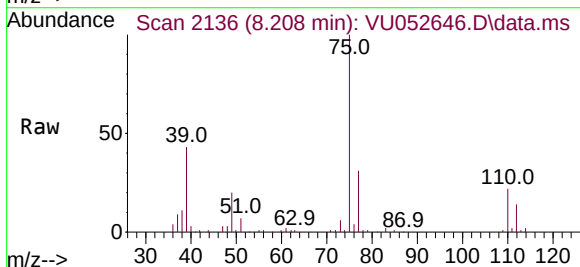
Acq: 10 Jan 2023 16:07

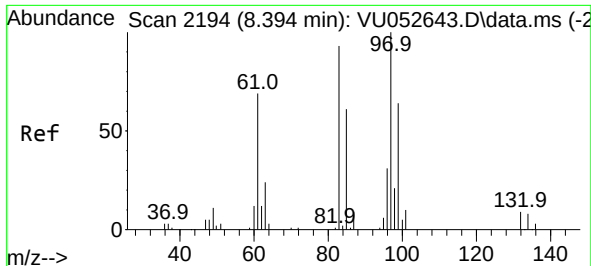
Tgt Ion: 75 Resp: 98209

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5

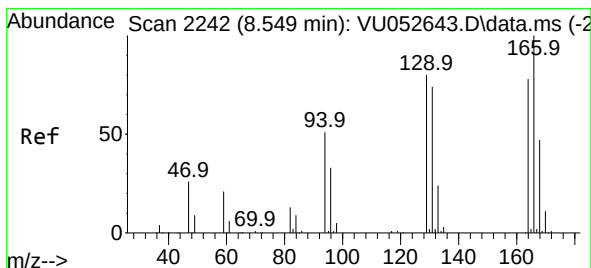
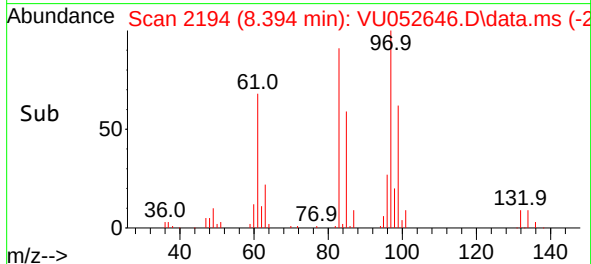
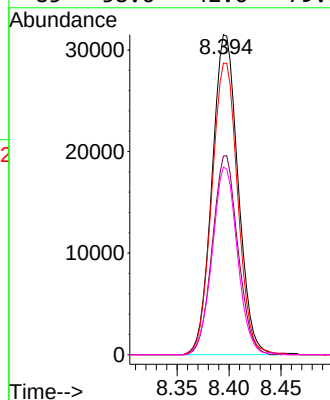
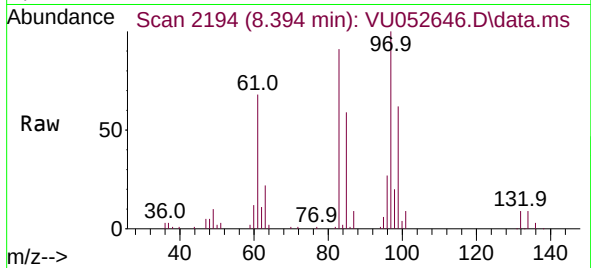




#45
1,1,2-Trichloroethane
Concen: 5.064 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

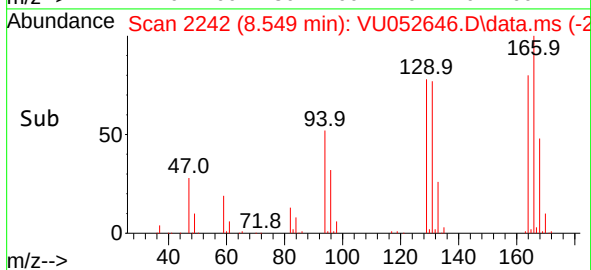
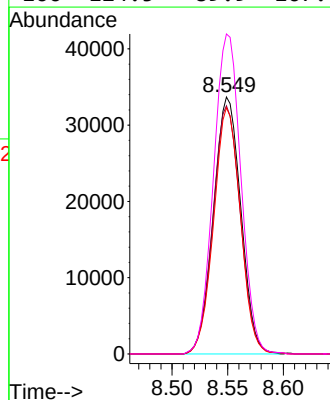
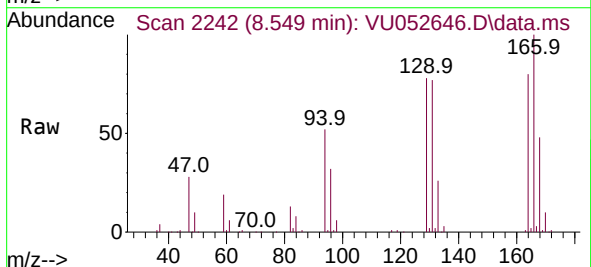
Instrument :
MSVOA_U
ClientSampleId :

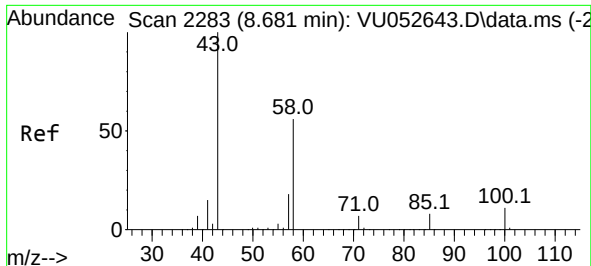
Tgt Ion:	97	Resp:	54809
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.8	83.2
83	91.1	65.3	121.3
85	58.6	42.6	79.0



#47
Tetrachloroethene
Concen: 5.144 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion:	164	Resp:	57478
Ion	Ratio	Lower	Upper
164	100		
129	96.5	71.8	133.4
131	95.8	66.6	123.6
166	124.5	89.9	167.0

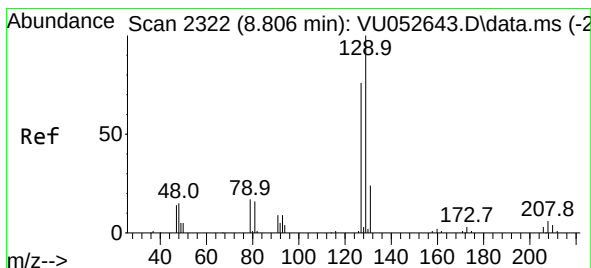
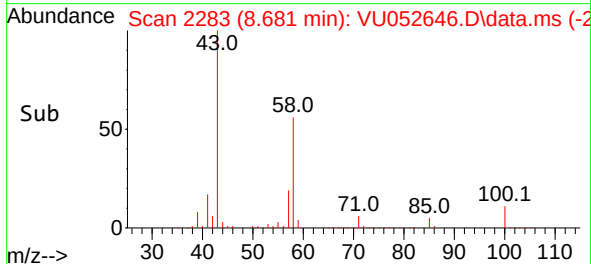
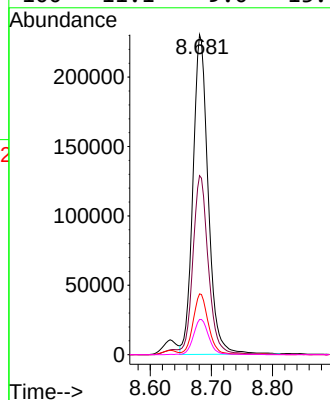
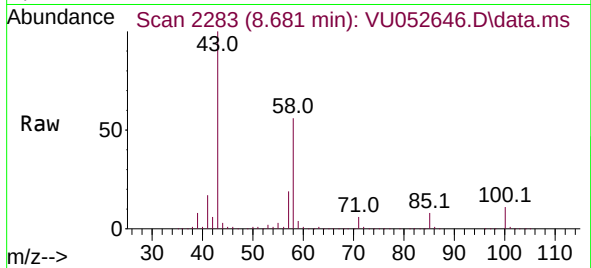




#48
2-Hexanone
Concen: 55.209 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

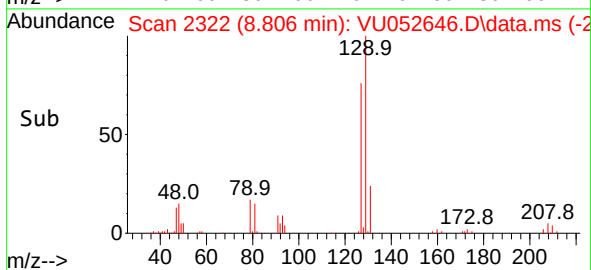
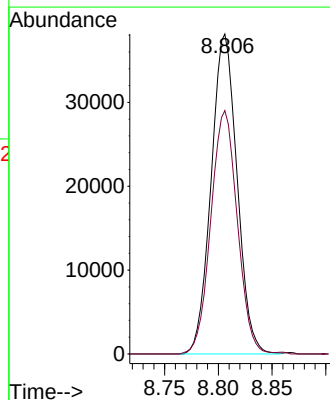
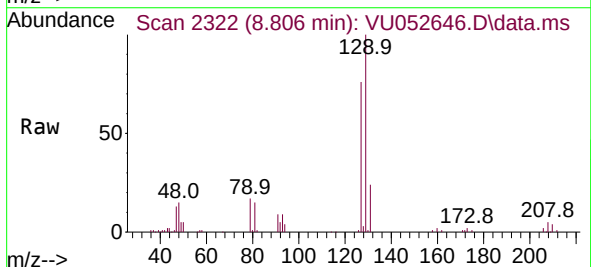
Instrument :
MSVOA_U
ClientSampleId :

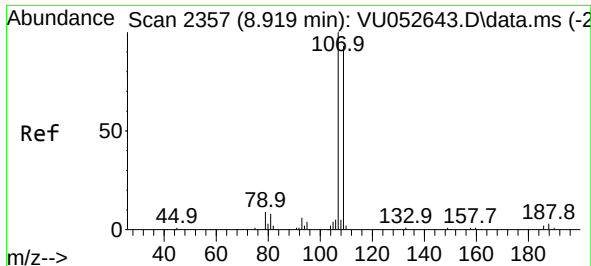
Tgt Ion: 43 Resp: 397803
Ion Ratio Lower Upper
43 100
58 56.4 45.1 67.7
57 18.9 15.1 22.7
100 11.1 9.0 13.4



#49
Dibromochloromethane
Concen: 5.116 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion: 129 Resp: 64017
Ion Ratio Lower Upper
129 100
127 76.0 53.5 99.5





#50

1,2-Dibromoethane

Concen: 4.991 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052646.D

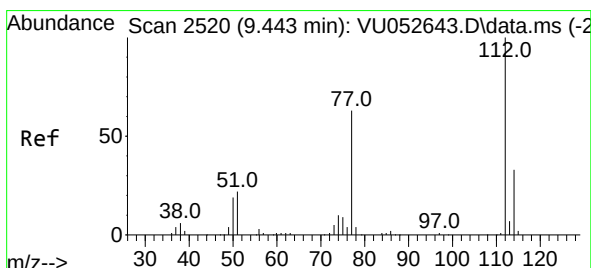
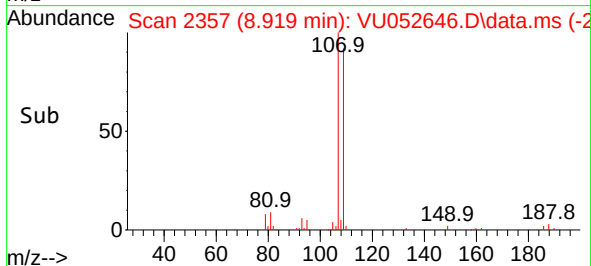
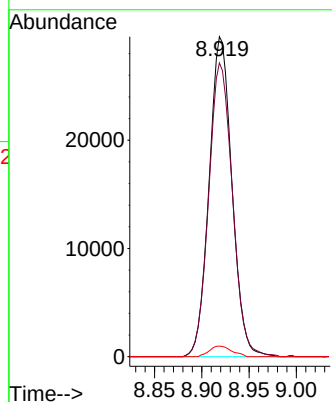
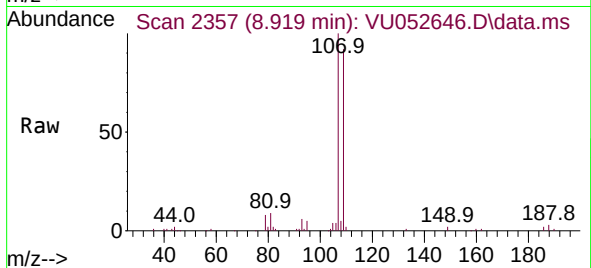
Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	49653
Ion Ratio	Lower	Upper
107	100	
109	91.8	65.3 121.3
188	3.3	2.4 3.6



#51

Chlorobenzene

Concen: 5.057 ug/L

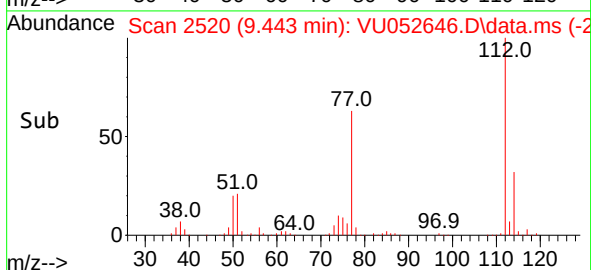
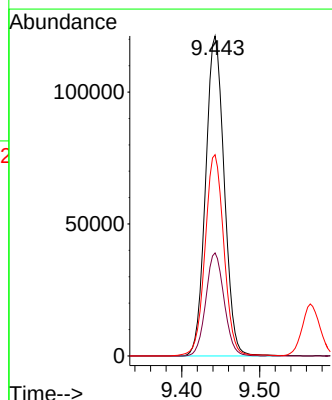
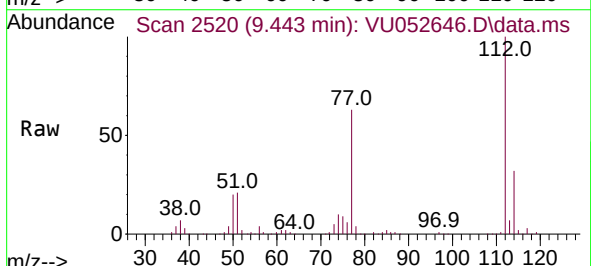
RT: 9.443 min Scan# 2520

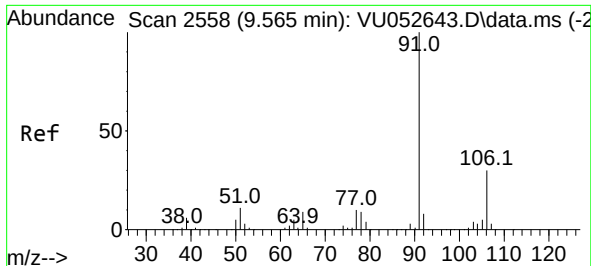
Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Tgt Ion:112	Resp:	201211
Ion Ratio	Lower	Upper
112	100	
114	32.2	22.8 42.4
77	62.9	50.2 75.4

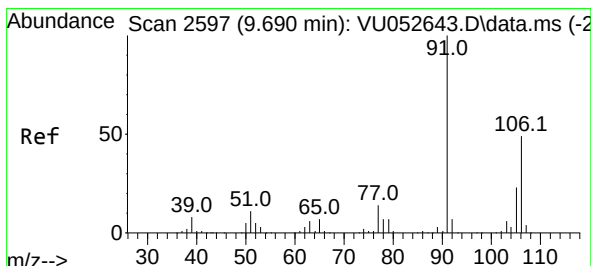
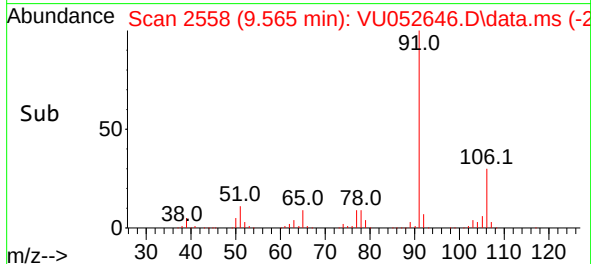
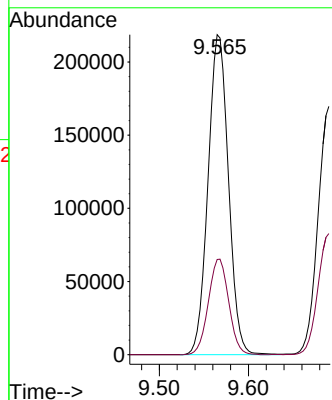
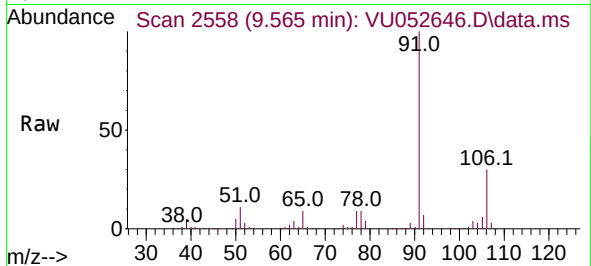




#52
Ethylbenzene
Concen: 5.334 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

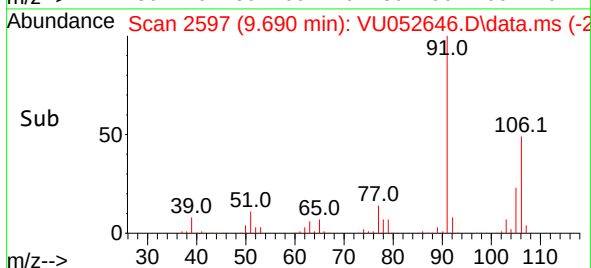
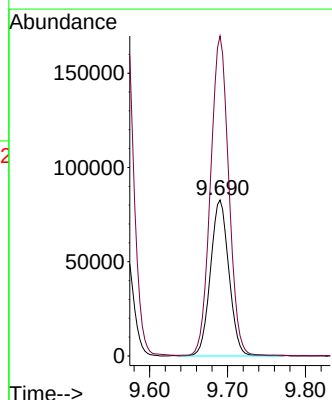
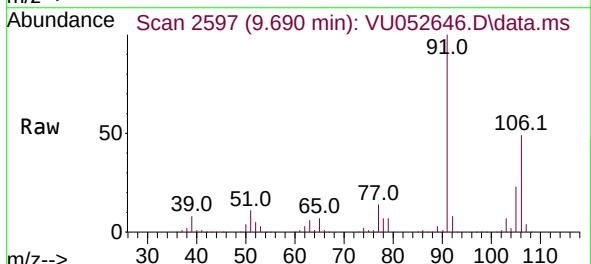
Instrument :
MSVOA_U
ClientSampleId :

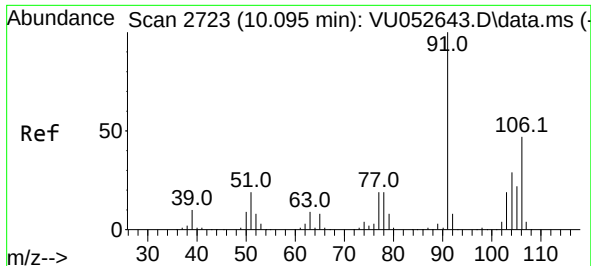
Tgt Ion: 91 Resp: 347046
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 5.508 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion: 106 Resp: 135746
Ion Ratio Lower Upper
106 100
91 205.1 144.3 267.9

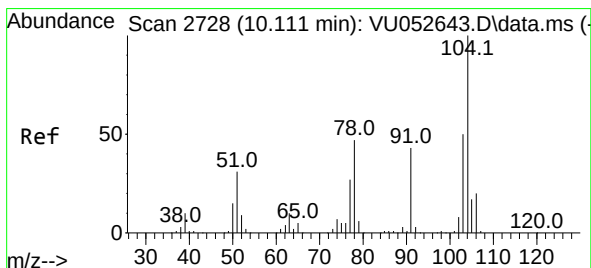
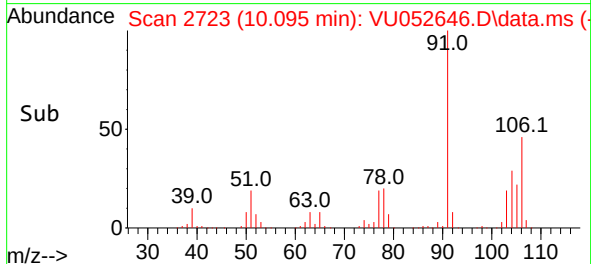
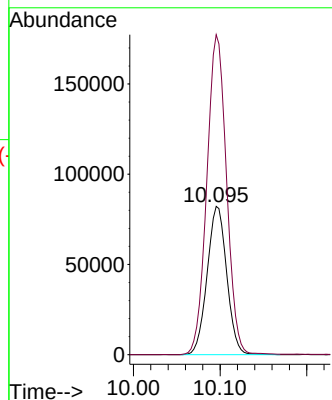
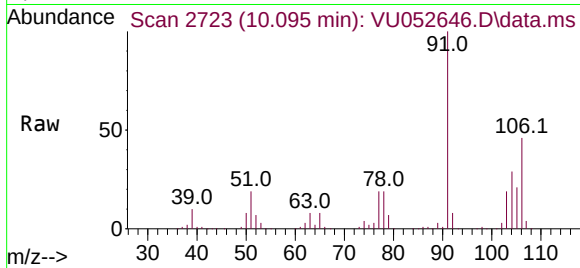




#54
o-Xylene
Concen: 5.478 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

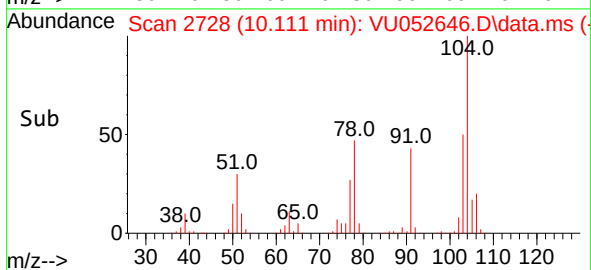
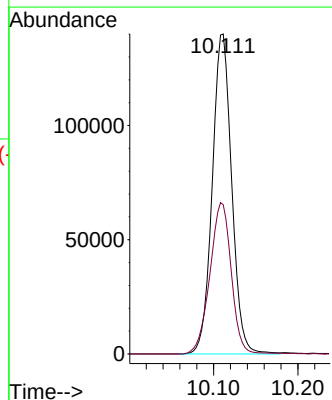
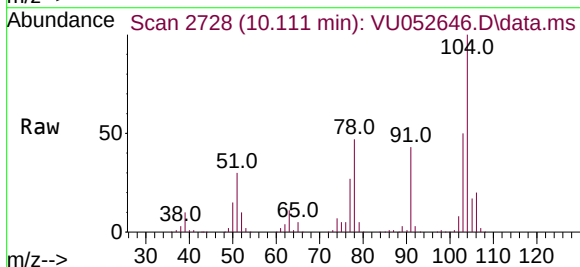
Instrument :
MSVOA_U
ClientSampleId :

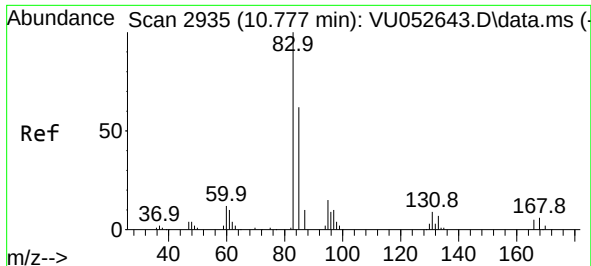
Tgt Ion:106 Resp: 129076
Ion Ratio Lower Upper
106 100
91 215.8 148.7 276.1



#55
Styrene
Concen: 5.590 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion:104 Resp: 224699
Ion Ratio Lower Upper
104 100
78 46.6 32.8 60.8

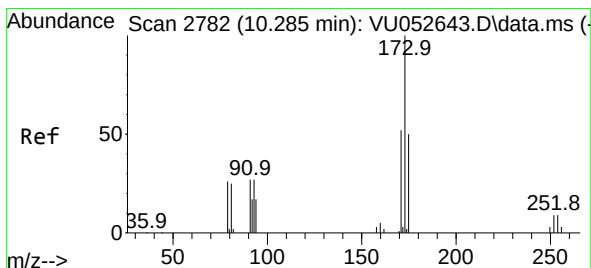
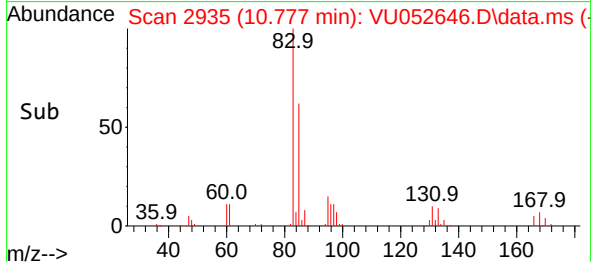
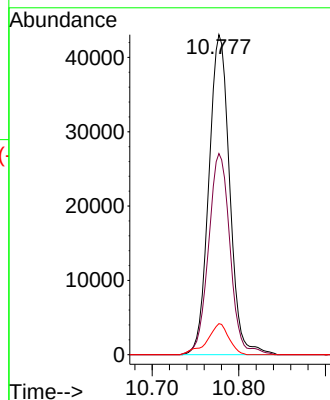
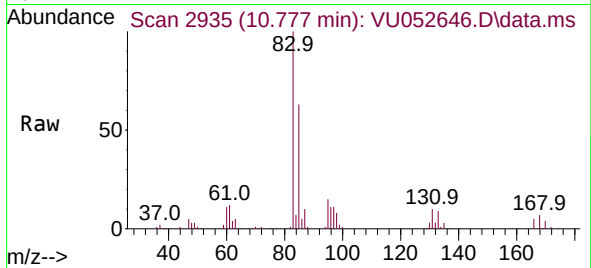




#57
1,1,2,2-Tetrachloroethane
Concen: 5.079 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

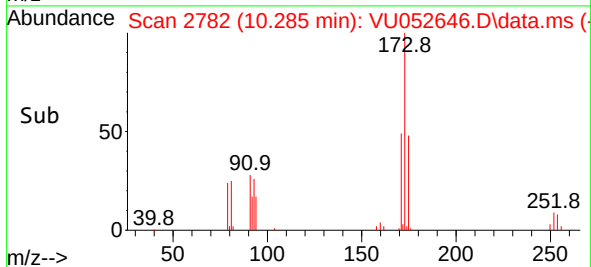
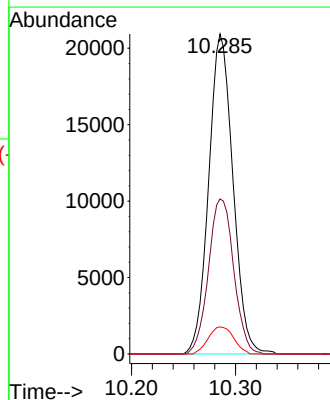
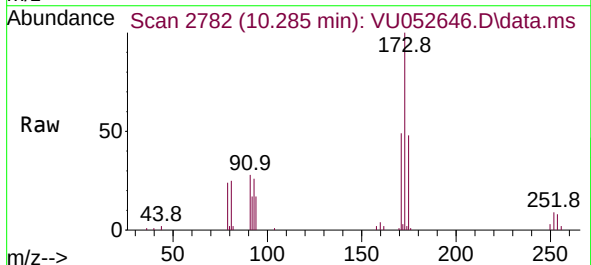
Instrument :
MSVOA_U
ClientSampleId :

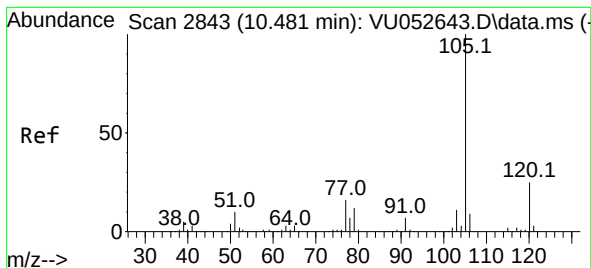
Tgt Ion: 83 Resp: 71812
Ion Ratio Lower Upper
83 100
85 62.8 43.7 81.1
131 9.7 7.0 10.6



#59
Bromoform
Concen: 4.933 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion:173 Resp: 33870
Ion Ratio Lower Upper
173 100
175 50.4 38.2 57.4
254 8.9 7.3 10.9





#60

Isopropylbenzene

Concen: 5.396 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU052646.D

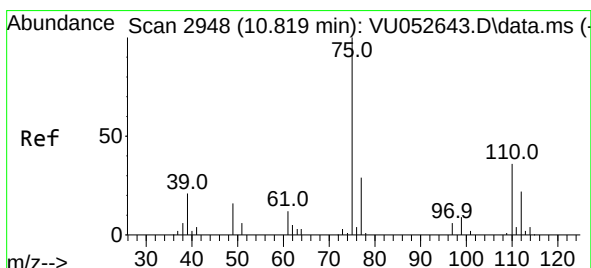
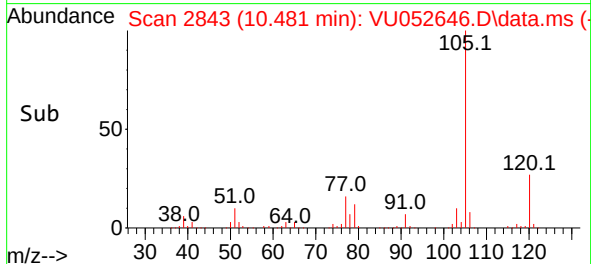
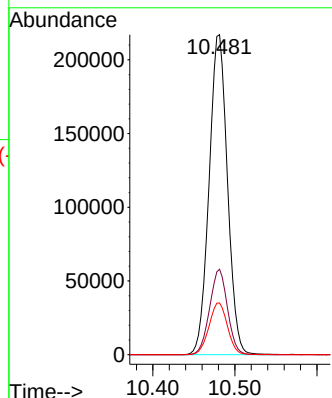
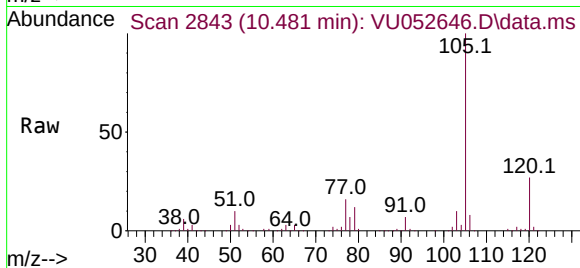
Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	337734
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.4	30.6
77	16.3	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 5.027 ug/L

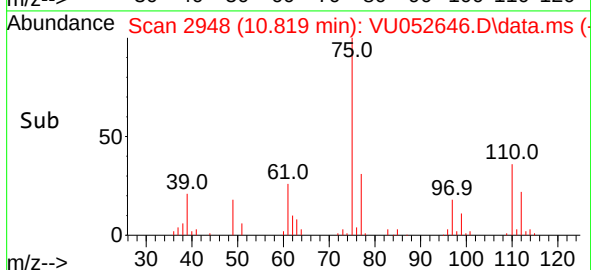
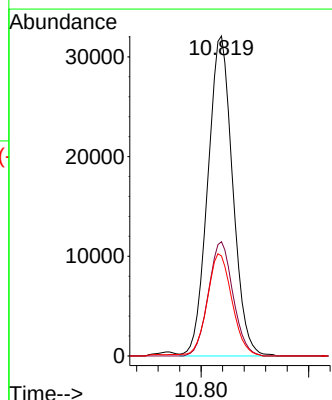
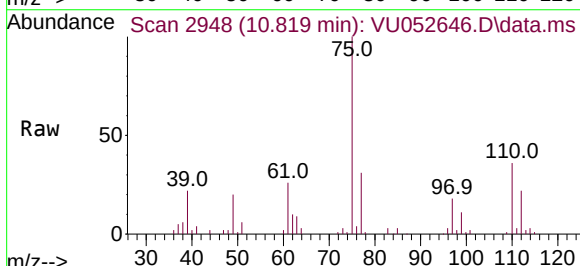
RT: 10.819 min Scan# 2948

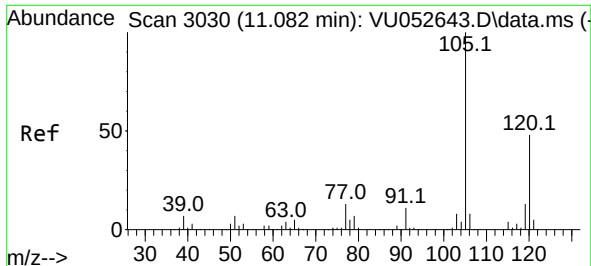
Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Tgt Ion:	75	Resp:	51589
Ion Ratio	Lower	Upper	
75	100		
110	35.4	27.2	40.8
77	31.9	24.0	36.0





#62

1,3,5-Trimethylbenzene

Concen: 5.379 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

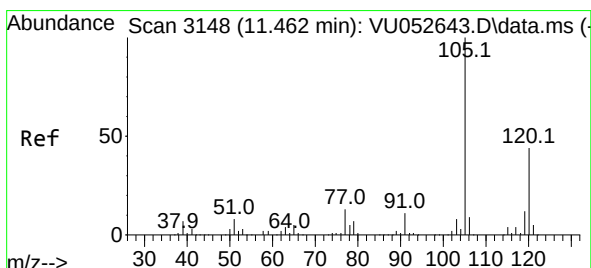
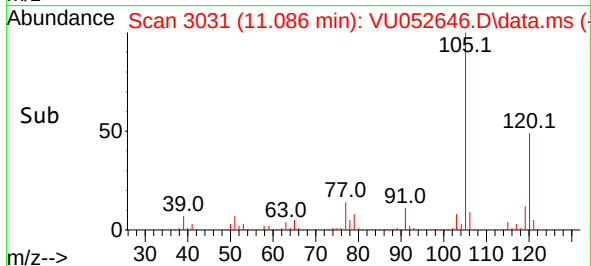
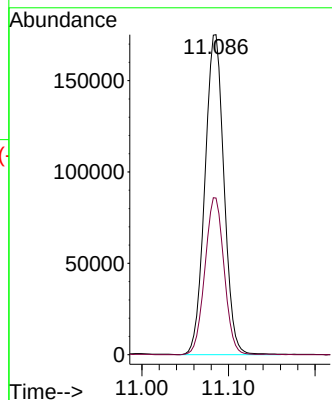
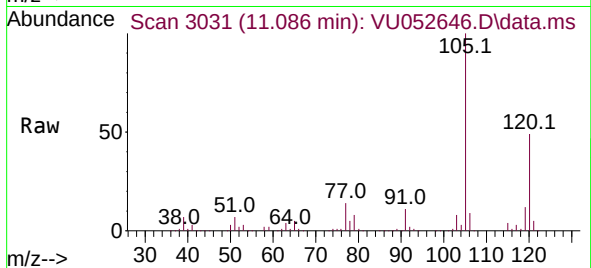
ClientSampleId :

Tgt Ion:105 Resp: 268499

Ion Ratio Lower Upper

105 100

120 49.2 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 5.486 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU052646.D

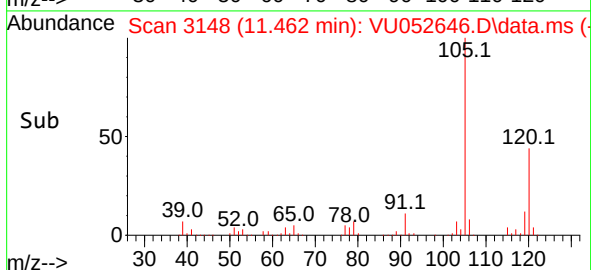
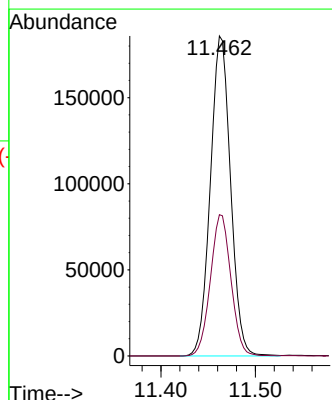
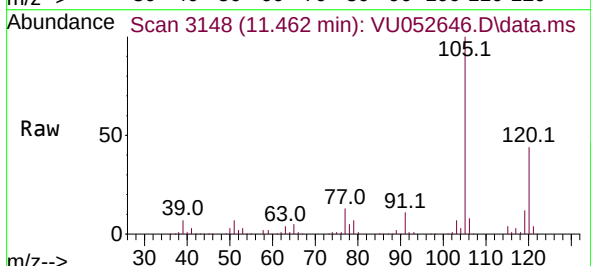
Acq: 10 Jan 2023 16:07

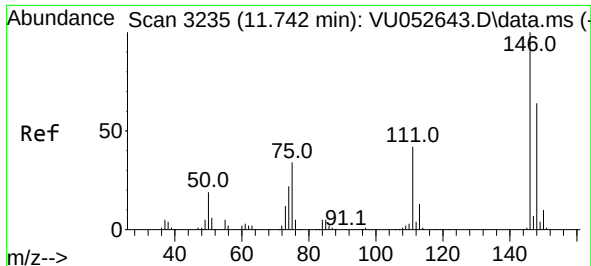
Tgt Ion:105 Resp: 275859

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9

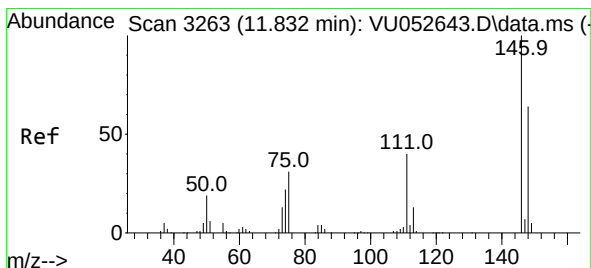
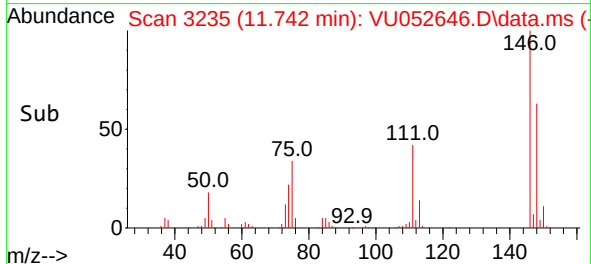
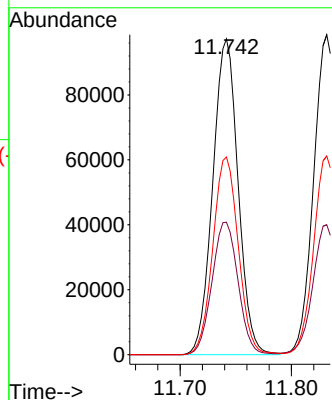
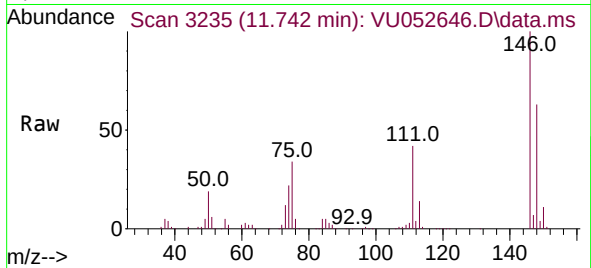




#64
1,3-Dichlorobenzene
Concen: 5.155 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

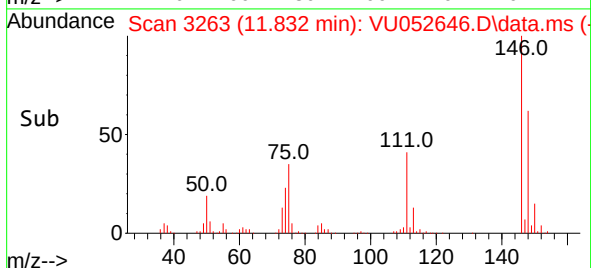
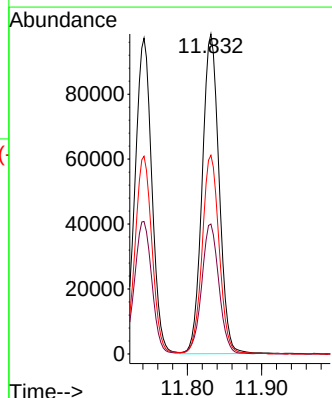
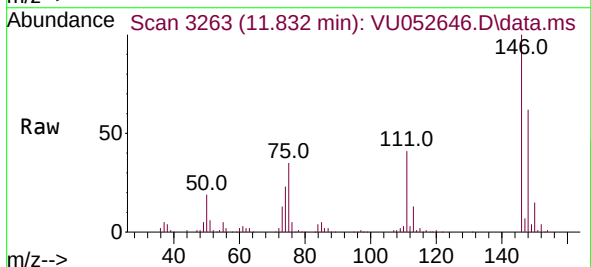
Instrument :
MSVOA_U
ClientSampleId :

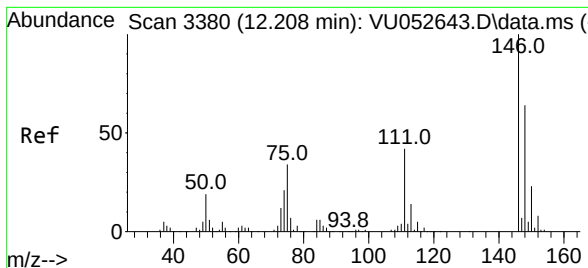
Tgt Ion:146 Resp: 153464
Ion Ratio Lower Upper
146 100
111 42.0 29.4 54.6
148 62.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.123 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion:146 Resp: 155594
Ion Ratio Lower Upper
146 100
111 40.6 28.1 52.3
148 62.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.993 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :

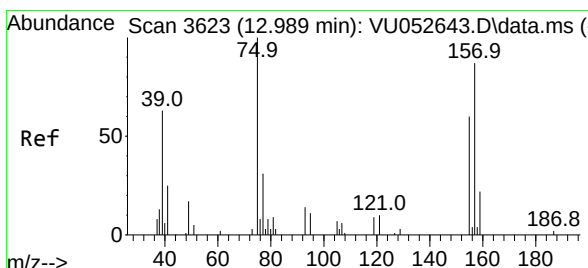
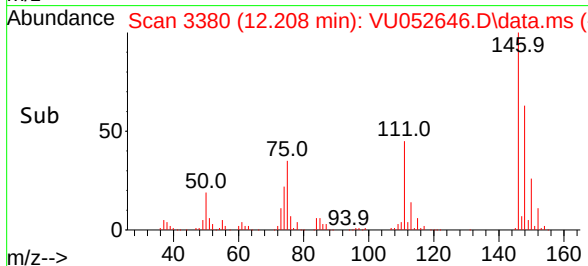
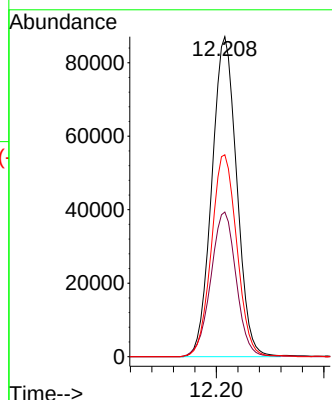
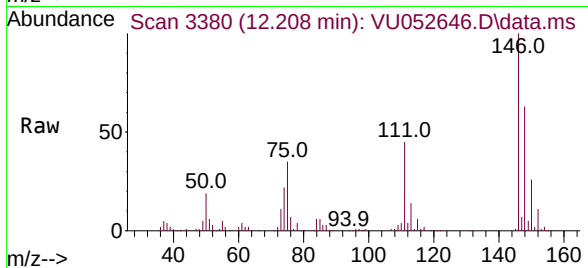
Tgt Ion:146 Resp: 139889

Ion Ratio Lower Upper

146 100

111 45.2 33.8 50.6

148 63.1 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.933 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

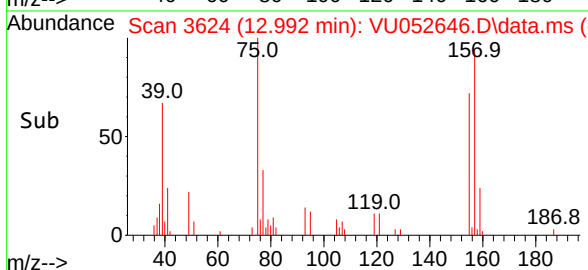
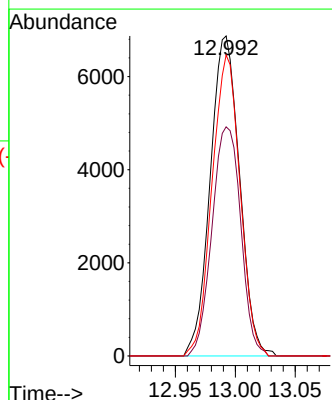
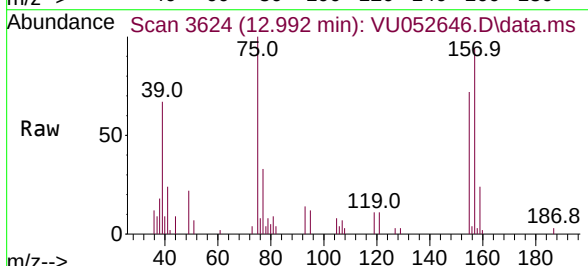
Tgt Ion: 75 Resp: 11676

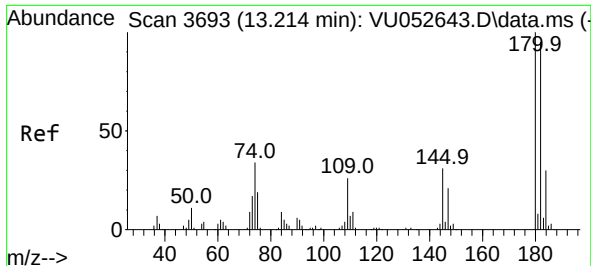
Ion Ratio Lower Upper

75 100

155 71.6 48.0 72.0

157 94.0 69.3 103.9





#69

1,3,5-Trichlorobenzene

Concen: 4.988 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

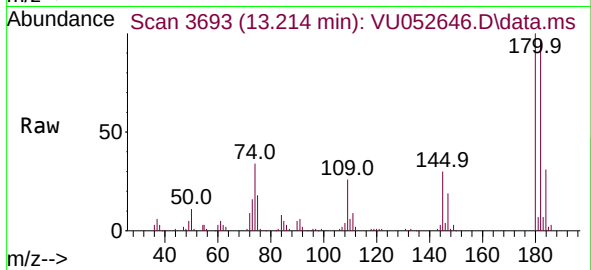
Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 110307

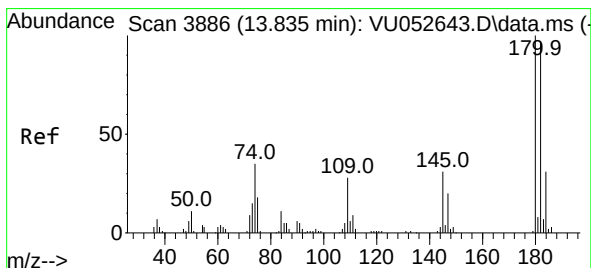
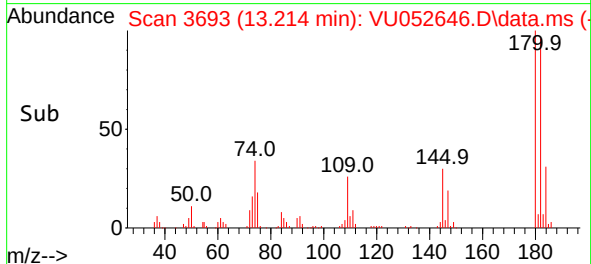
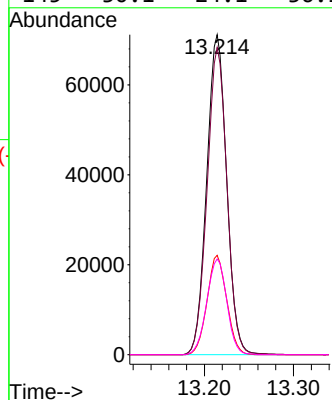
Ion Ratio Lower Upper

180 100

182 95.7 75.1 112.7

184 30.7 23.6 35.4

145 30.1 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.070 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052646.D

Acq: 10 Jan 2023 16:07

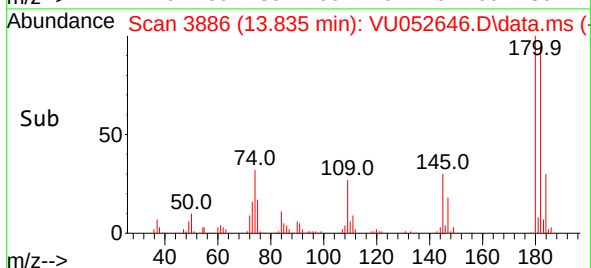
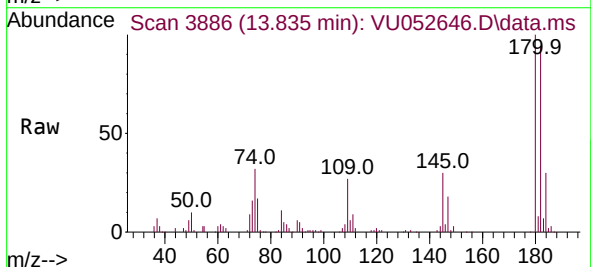
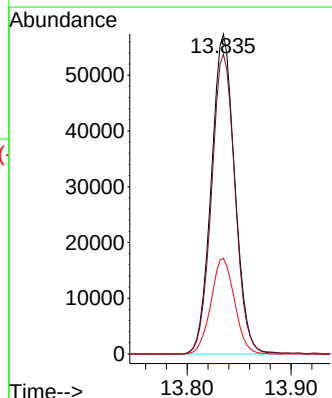
Tgt Ion:180 Resp: 89921

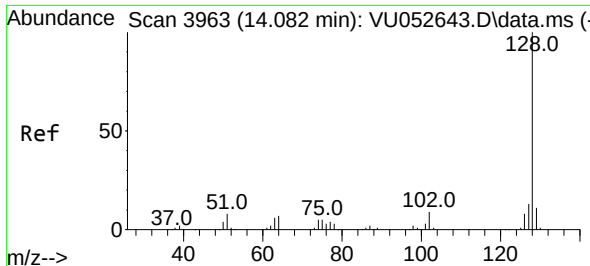
Ion Ratio Lower Upper

180 100

182 94.2 77.5 116.3

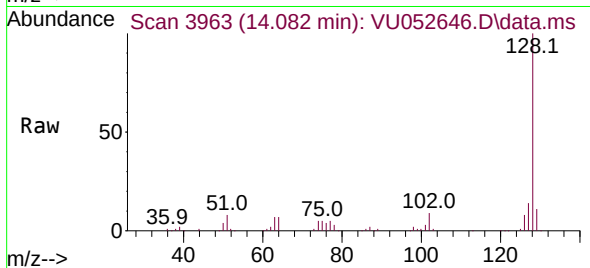
145 30.1 25.3 37.9



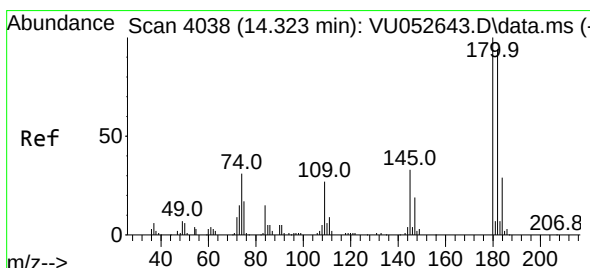
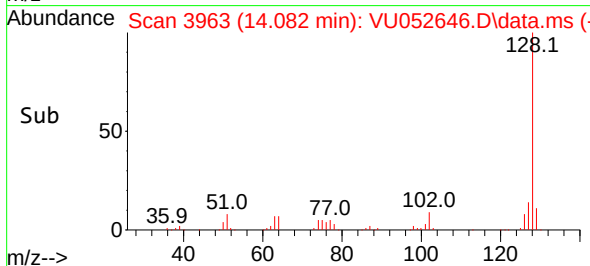
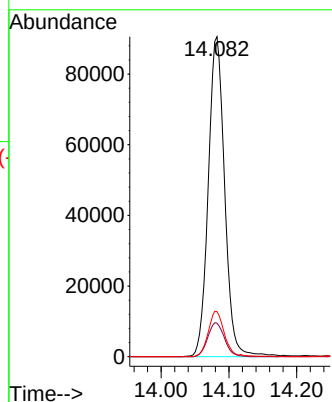


#71
Naphthalene
Concen: 4.946 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 152292
Ion Ratio Lower Upper
128 100
129 10.8 8.3 12.5
127 14.1 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 5.112 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052646.D
Acq: 10 Jan 2023 16:07

Tgt Ion:180 Resp: 83058
Ion Ratio Lower Upper
180 100
182 96.1 75.8 113.6
145 32.3 26.5 39.7

