

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055404.D
 Acq On : 19 Sep 2023 20:49
 Operator : MD/SY
 Sample : 04380-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:09:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	227411	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	233037	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	109994	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	33501	1.458	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	29.200%#
7) Chloroethane-d5	1.911	69	47333	2.337	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	46.800%#
11) 1,1-Dichloroethene-d2	2.567	65	19173	2.027	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	40.600%#
20) 2-Butanone-d5	4.631	46	177800	42.828	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.660%
24) Chloroform-d	5.058	84	128096	3.081	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	61.600%#
26) 1,2-Dichloroethane-d4	5.698	65	65925	3.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.000%#
32) Benzene-d6	5.724	84	231025	2.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	56.600%#
36) 1,2-Dichloropropane-d6	6.689	67	83387	3.424	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.400%
41) Toluene-d8	7.894	98	183052	2.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.200%#
43) trans-1,3-Dichloroprop...	8.181	79	14238	1.666	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	33.400%#
46) 2-Hexanone-d5	8.631	63	91258	35.104	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67206	3.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	70859	3.192	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.800%#
Target Compounds						Qvalue
3) Chloromethane	1.515	50	4194	0.215	ug/L	90
5) Vinyl chloride	1.602	62	138648	6.598	ug/L	99
12) 1,1-Dichloroethene	2.576	96	76632	4.820	ug/L #	81
16) Methylene chloride	3.039	84	7073	0.371	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	16843	0.488	ug/L	96
18) trans-1,2-Dichloroethene	3.354	96	6071	0.379	ug/L	95
19) 1,1-Dichloroethane	3.866	63	47384	1.599	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	1385956	74.593	ug/L	100
27) 1,2-Dichloroethane	5.798	62	11582	0.602	ug/L #	94
34) Trichloroethene	6.537	95	1112601	58.643	ug/L	98
35) Methylcyclohexane	6.689	83	19520	0.714	ug/L #	25
37) 1,2-Dichloropropane	6.685	63	8547	0.487	ug/L #	88
47) Tetrachloroethene	8.550	164	9941	0.730	ug/L	97
48) 2-Hexanone	8.685	43	27518	4.462	ug/L #	87
49) Dibromochloromethane	8.553	129	9871	0.766	ug/L #	9
51) Chlorobenzene	9.447	112	13063	0.285	ug/L #	83
64) 1,3-Dichlorobenzene	11.746	146	3597	0.119	ug/L #	91
65) 1,4-Dichlorobenzene	11.833	146	5834	0.192	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 20 06:06:30 2023
Response via : Initial Calibration

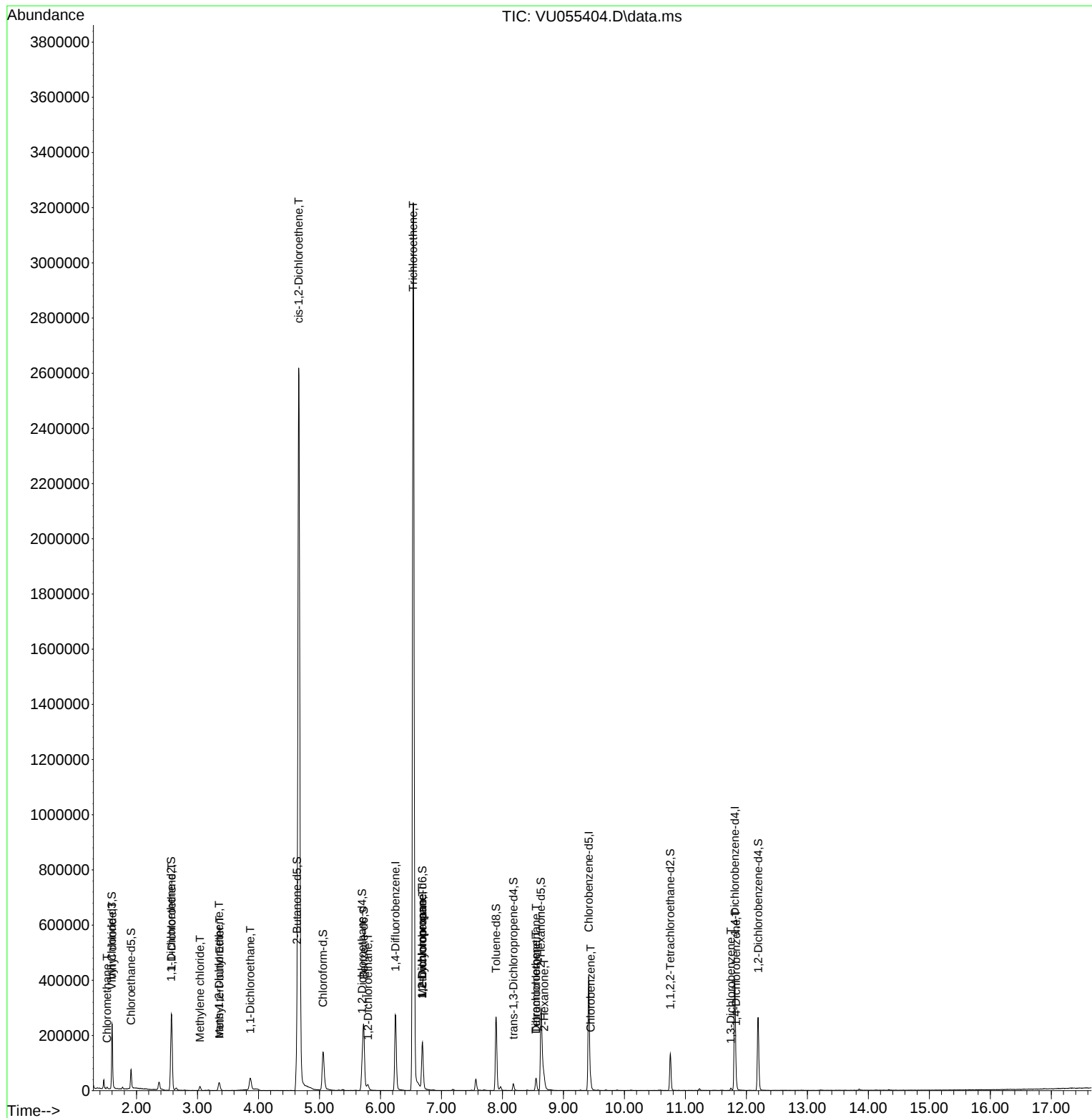
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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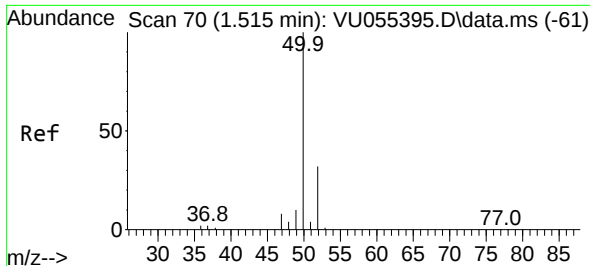
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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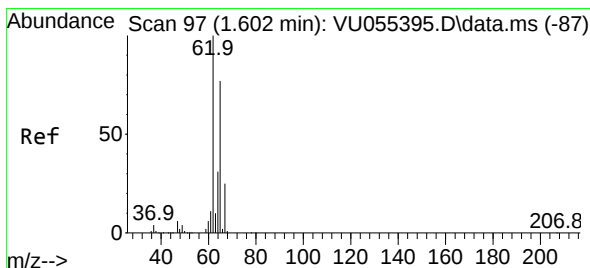
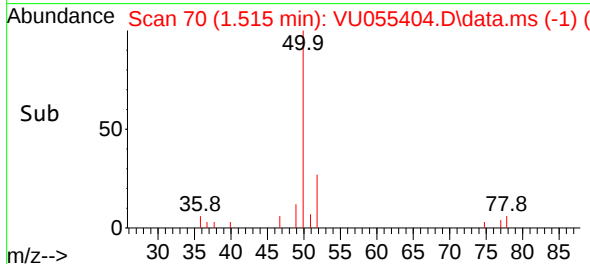
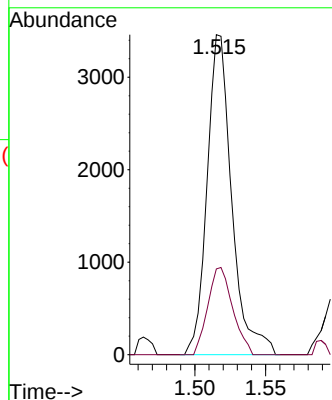
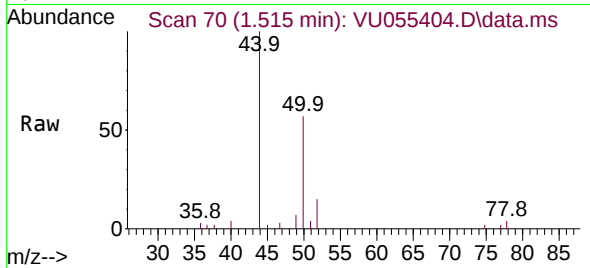




#3
Chloromethane
Concen: 0.215 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

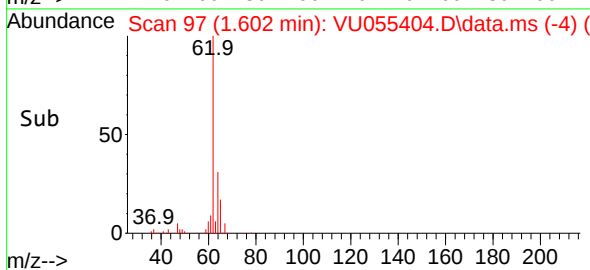
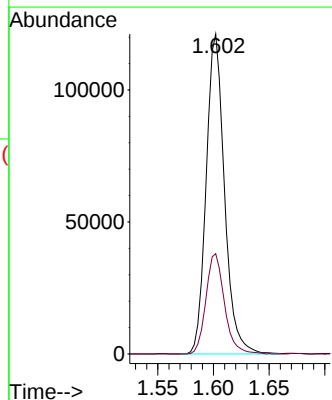
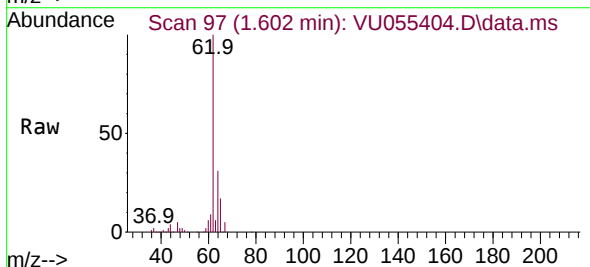
Instrument :
MSVOA_U
ClientSampleId :

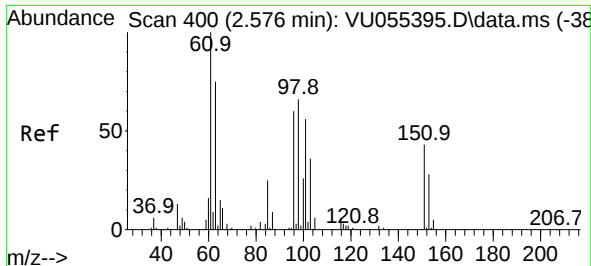
Tgt Ion: 50 Resp: 4194
Ion Ratio Lower Upper
50 100
52 26.8 22.9 42.5



#5
Vinyl chloride
Concen: 6.598 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Tgt Ion: 62 Resp: 138648
Ion Ratio Lower Upper
62 100
64 31.4 22.3 41.5





#12

1,1-Dichloroethene

Concen: 4.820 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

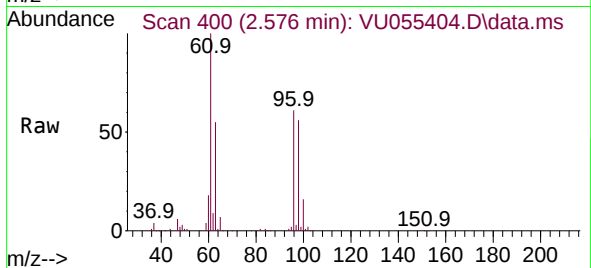
Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :



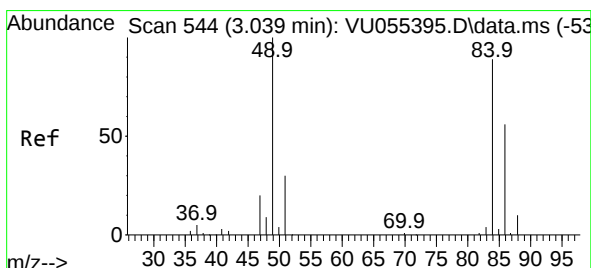
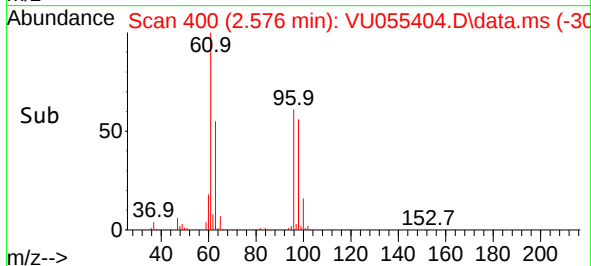
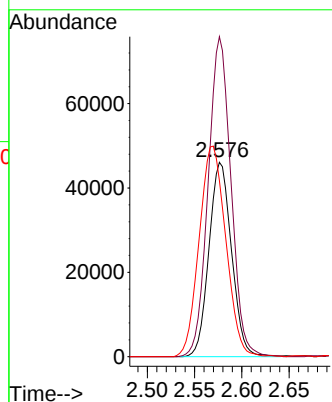
Tgt Ion: 96 Resp: 76632

Ion Ratio Lower Upper

96 100

61 164.7 114.5 212.7

63 90.6 98.3 182.5#



#16

Methylene chloride

Concen: 0.371 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

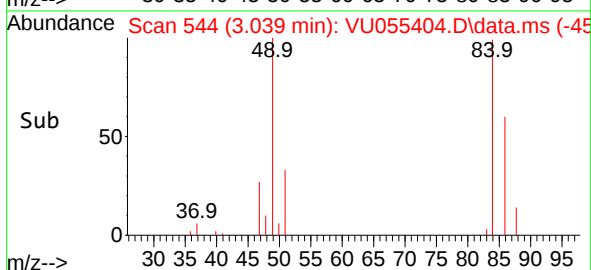
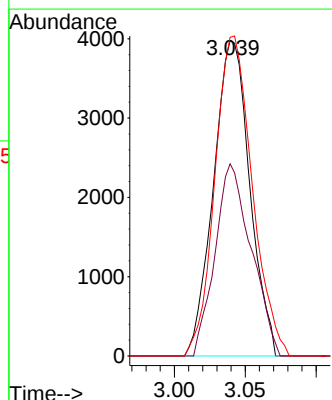
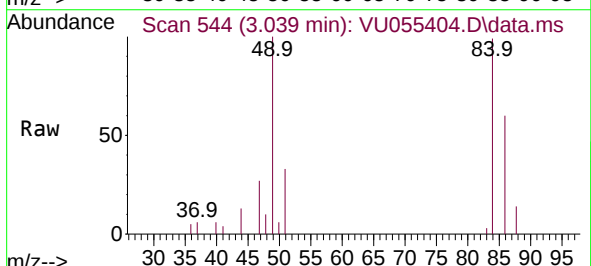
Tgt Ion: 84 Resp: 7073

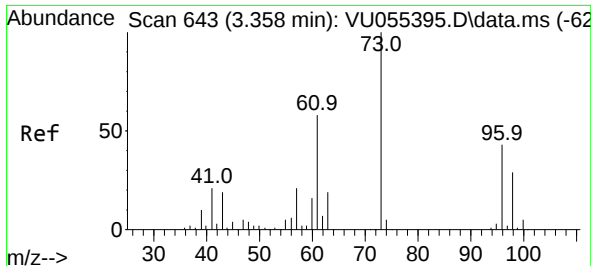
Ion Ratio Lower Upper

84 100

86 60.9 44.9 83.3

49 101.0 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 0.488 ug/L

RT: 3.361 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

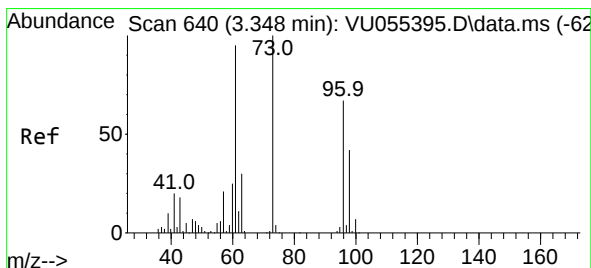
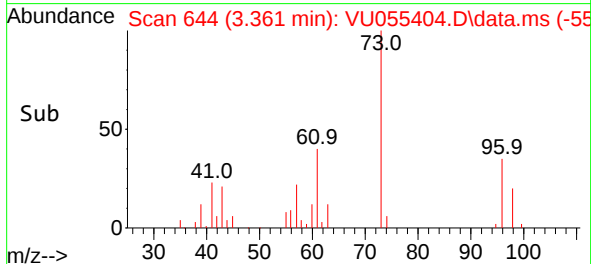
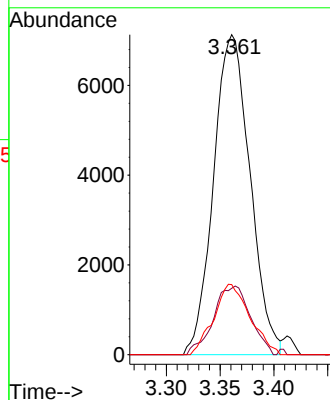
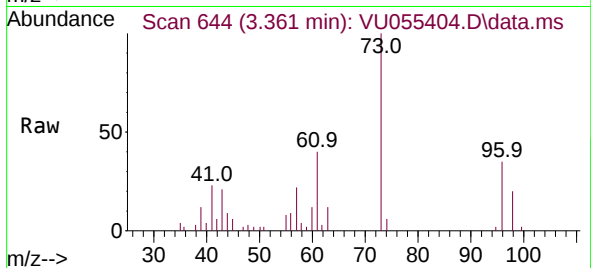
Tgt Ion: 73 Resp: 16843

Ion Ratio Lower Upper

73 100

43 21.7 14.9 22.3

57 21.8 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 0.379 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.006 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

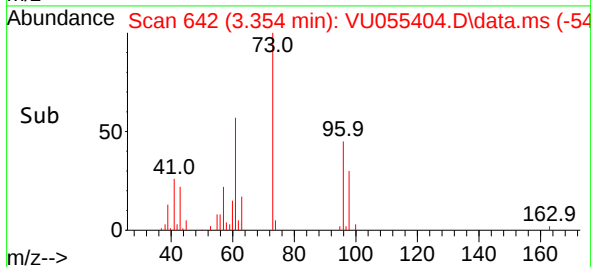
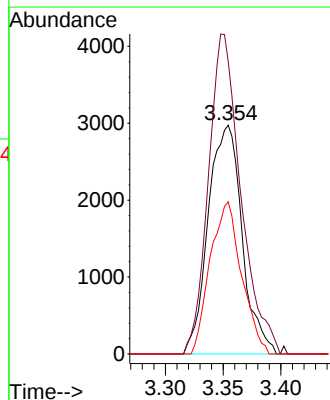
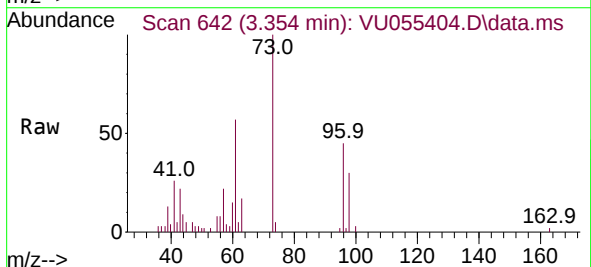
Tgt Ion: 96 Resp: 6071

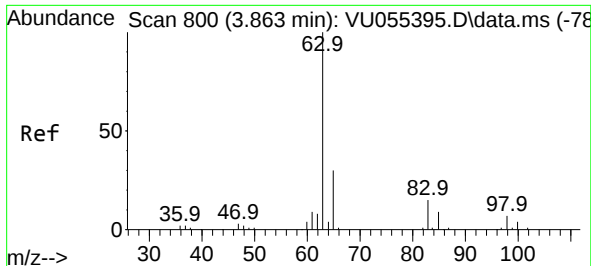
Ion Ratio Lower Upper

96 100

61 127.9 94.6 175.6

98 66.5 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.599 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU055404.D

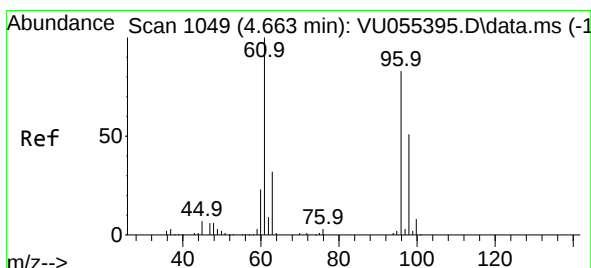
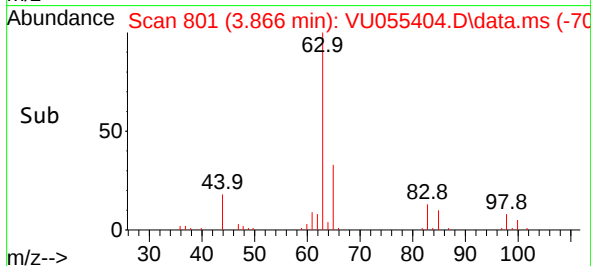
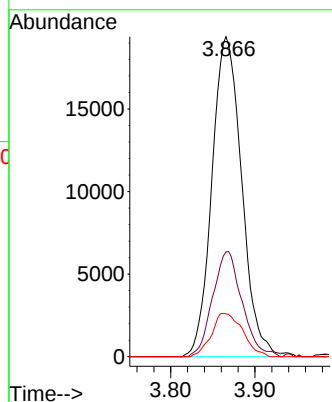
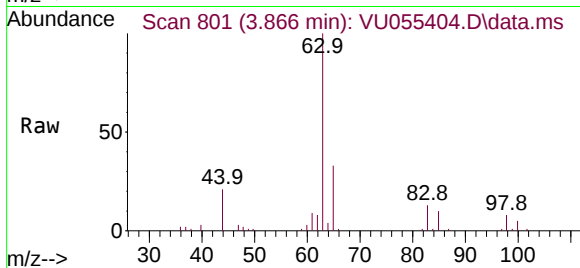
Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	47384
Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.0	41.0
83	13.4	10.1	18.9



#22

cis-1,2-Dichloroethene

Concen: 74.593 ug/L

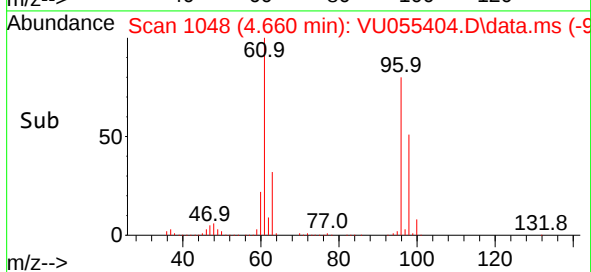
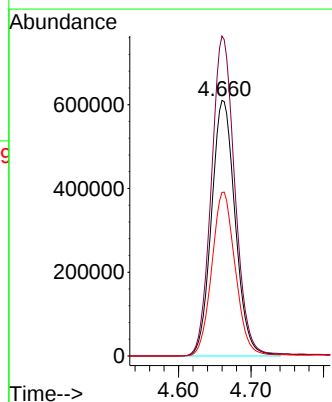
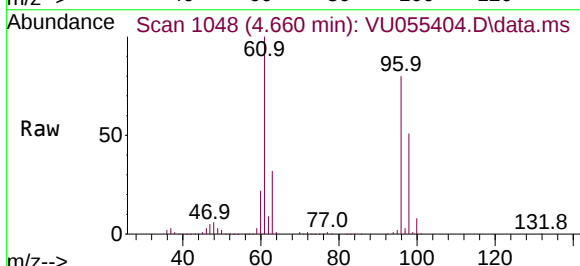
RT: 4.660 min Scan# 1048

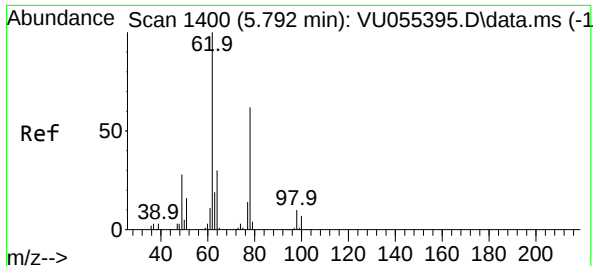
Delta R.T. -0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Tgt Ion:	96	Resp:	1385956
Ion	Ratio	Lower	Upper
96	100		
61	125.2	87.8	163.2
98	64.0	44.4	82.4

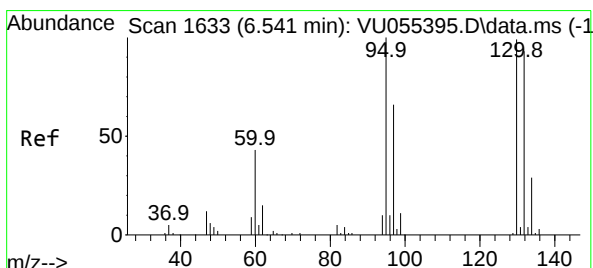
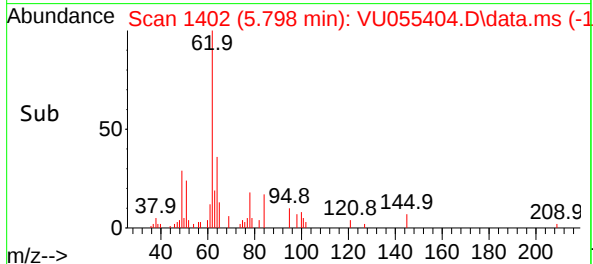
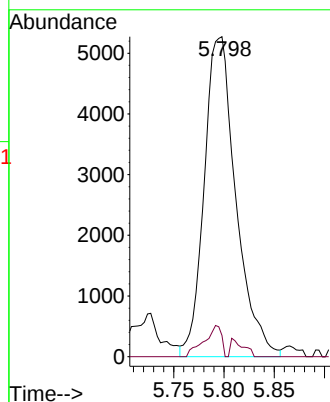
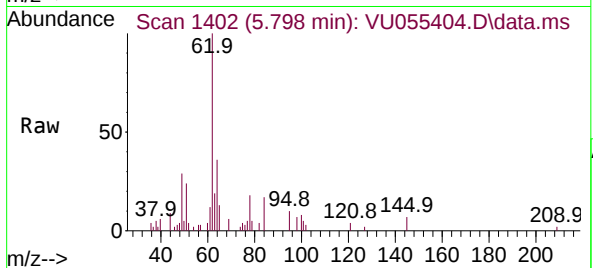




#27
1,2-Dichloroethane
Concen: 0.602 ug/L
RT: 5.798 min Scan# 1400
Delta R.T. 0.006 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

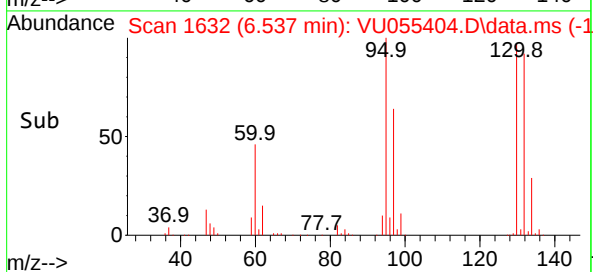
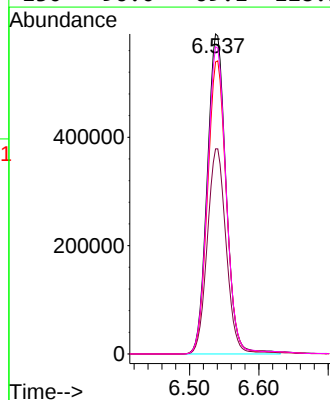
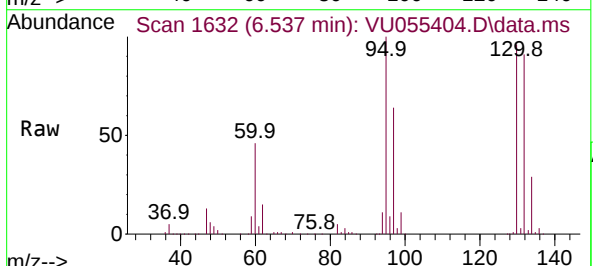
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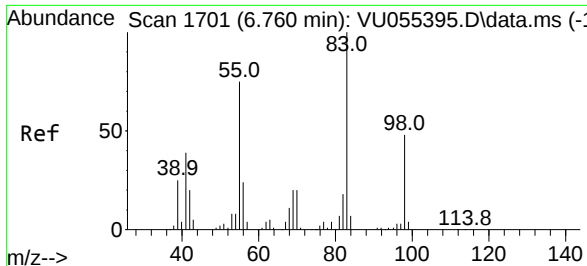
Tgt Ion: 62 Resp: 11582
Ion Ratio Lower Upper
62 100
98 6.7 7.0 10.4#



#34
Trichloroethene
Concen: 58.643 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

Tgt Ion: 95 Resp: 1112601
Ion Ratio Lower Upper
95 100
97 64.1 45.4 84.2
132 91.2 65.2 121.2
130 96.0 69.1 128.3

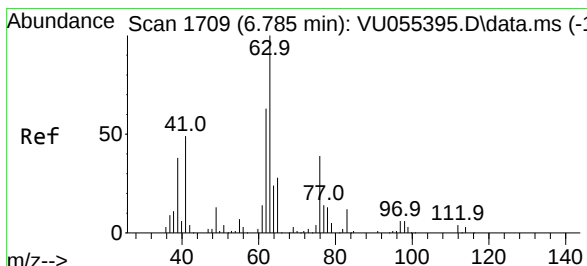
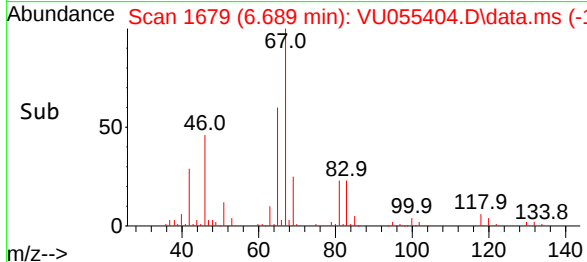
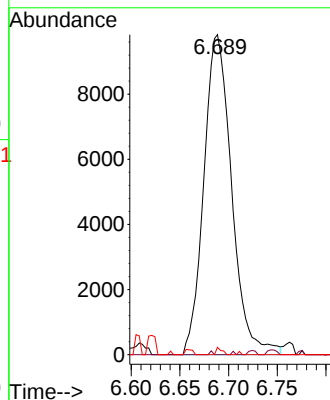
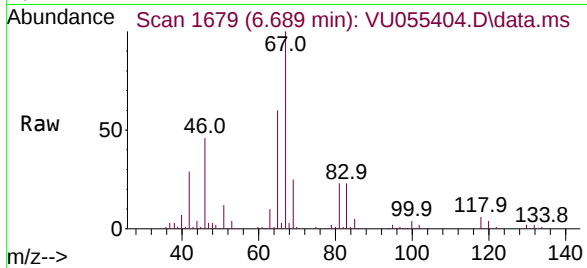




#35
Methylcyclohexane
Concen: 0.714 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

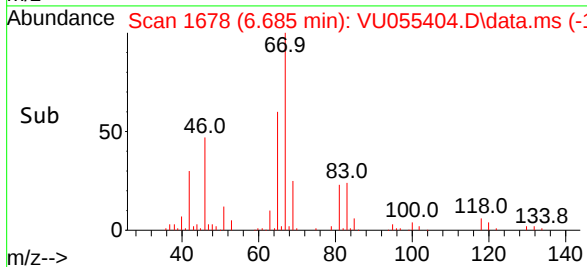
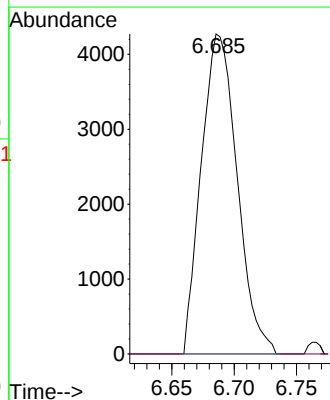
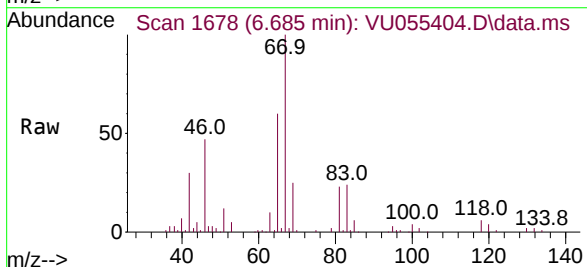
Instrument :
MSVOA_U
ClientSampleId :

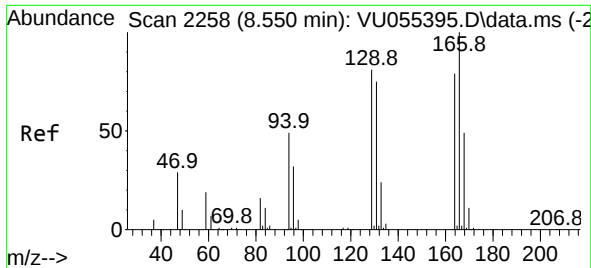
Tgt Ion: 83 Resp: 19520
Ion Ratio Lower Upper
83 100
55 0.1 59.1 88.7#
98 8.5 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.487 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

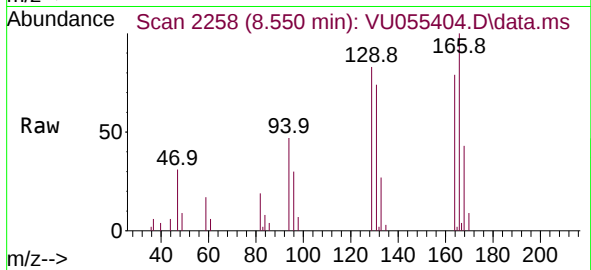
Tgt Ion: 63 Resp: 8547
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



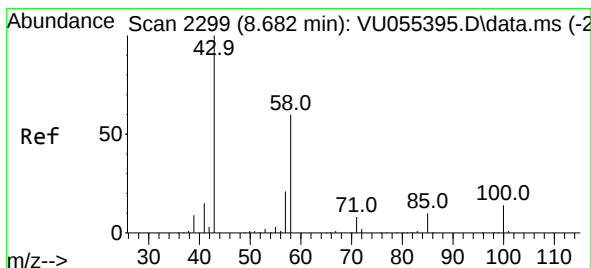
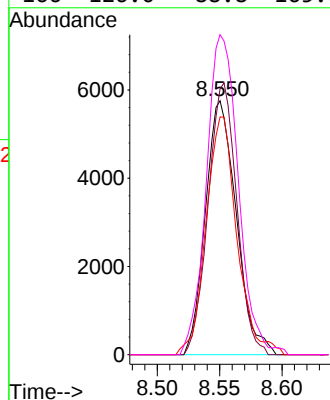
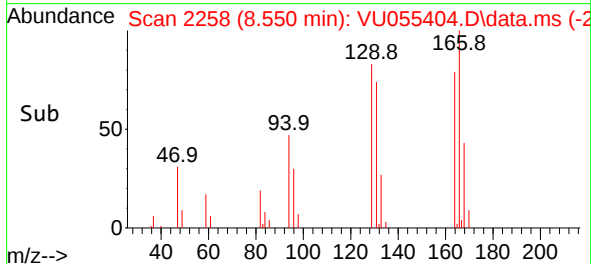


#47
Tetrachloroethene
Concen: 0.730 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49

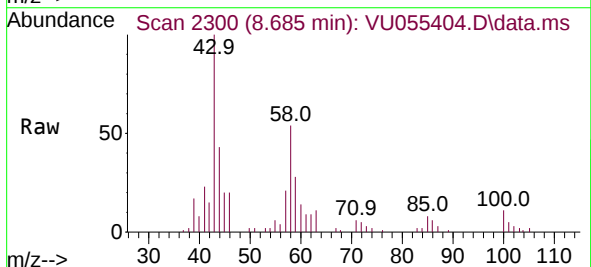
Instrument :
MSVOA_U
ClientSampleId :



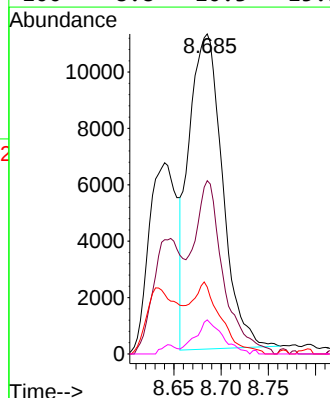
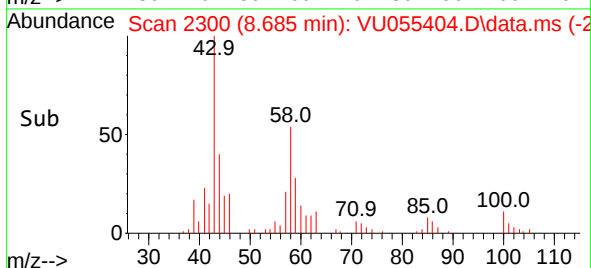
Tgt Ion:164 Resp: 9941
Ion Ratio Lower Upper
164 100
129 104.7 67.4 125.2
131 93.7 66.4 123.2
166 126.0 88.8 165.0

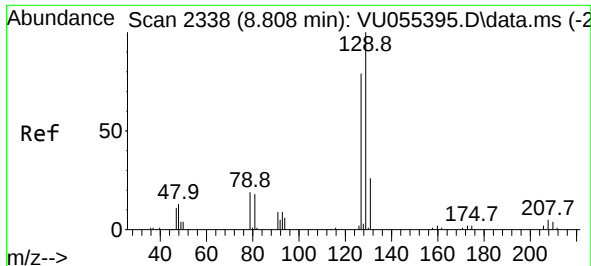


#48
2-Hexanone
Concen: 4.462 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055404.D
Acq: 19 Sep 2023 20:49



Tgt Ion: 43 Resp: 27518
Ion Ratio Lower Upper
43 100
58 47.9 48.5 72.7#
57 18.3 17.0 25.4
100 8.8 10.3 15.5#





#49

Dibromochloromethane

Concen: 0.766 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

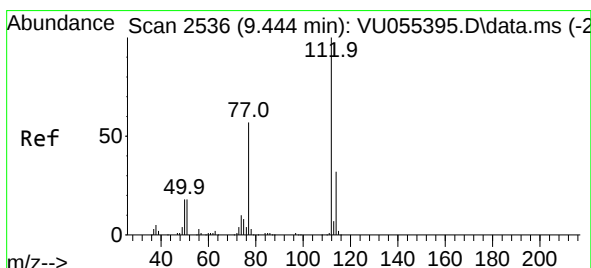
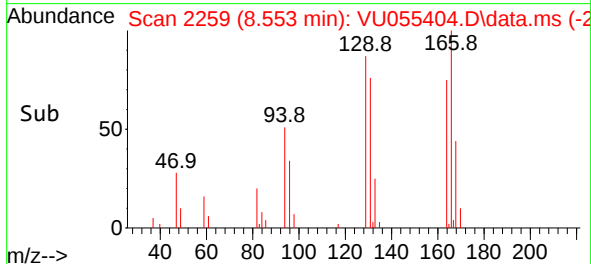
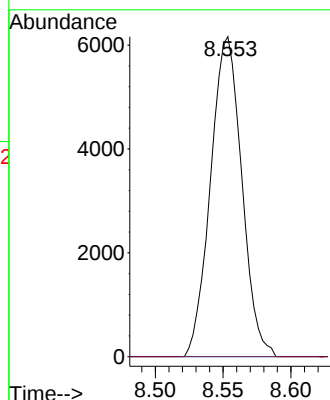
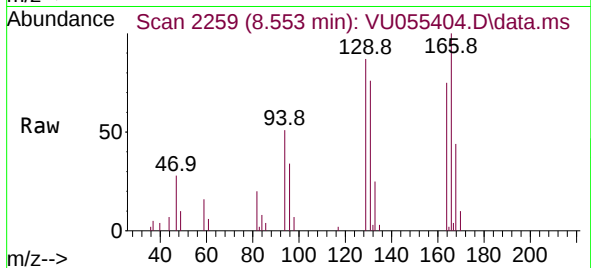
ClientSampleId :

Tgt Ion:129 Resp: 9871

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.6#



#51

Chlorobenzene

Concen: 0.285 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. 0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

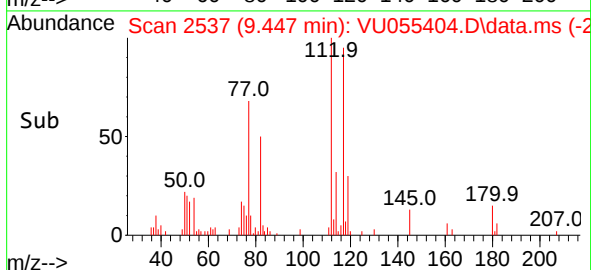
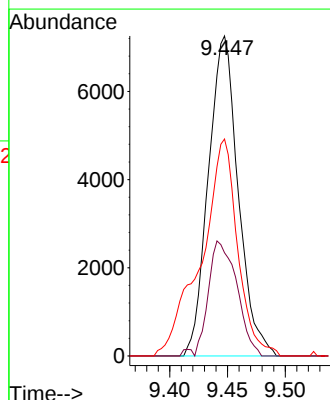
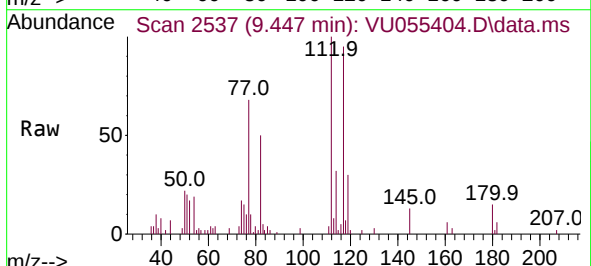
Tgt Ion:112 Resp: 13063

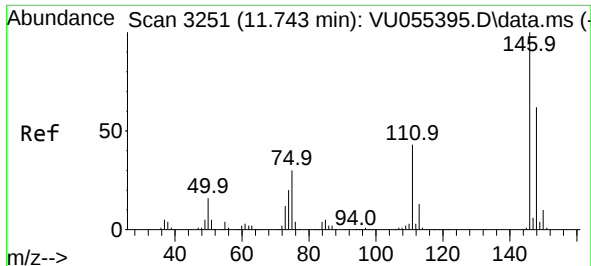
Ion Ratio Lower Upper

112 100

114 32.2 22.0 40.8

77 77.7 46.9 70.3#





#64

1,3-Dichlorobenzene

Concen: 0.119 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

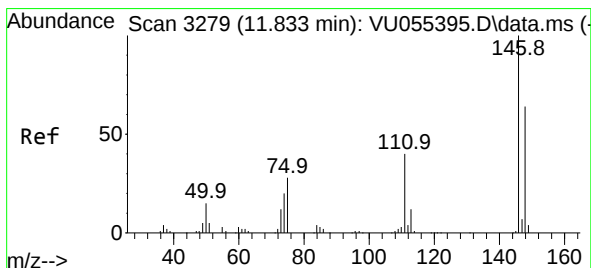
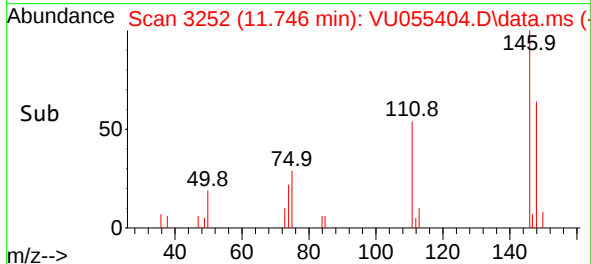
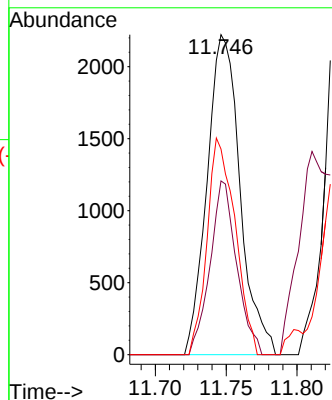
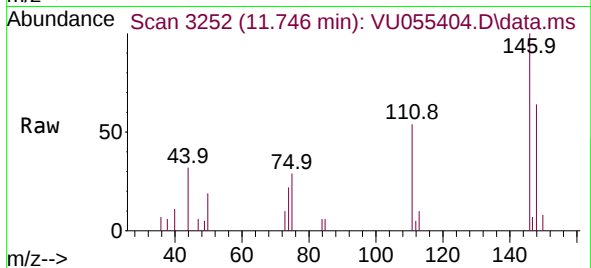
Tgt Ion:146 Resp: 3597

Ion Ratio Lower Upper

146 100

111 54.3 28.8 53.6#

148 64.2 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 0.192 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055404.D

Acq: 19 Sep 2023 20:49

Tgt Ion:146 Resp: 5834

Ion Ratio Lower Upper

146 100

111 35.6 29.0 53.8

148 68.7 45.4 84.4

