

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054924.D
 Acq On : 28 Aug 2023 15:21
 Operator : MD/SY
 Sample : 04173-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 04:58:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:51:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178153	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	173181	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	88067	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34715	6.174	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.400%
7) Chloroethane-d5	1.911	69	38336	5.277	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.600%
11) 1,1-Dichloroethene-d2	2.560	65	16336	5.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	4.628	46	189824	62.542	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.080%
24) Chloroform-d	5.062	84	108770	5.215	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.701	65	62987	5.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.400%
32) Benzene-d6	5.724	84	200824	5.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.689	67	70851	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.898	98	184178	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.180	79	23662	5.252	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.000%
46) 2-Hexanone-d5	8.634	63	122742	57.394	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.780%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	64417	5.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	77032	5.478	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						
5) Vinyl chloride	1.599	62	771863	64.554	ug/L	99
8) Chloroethane	1.930	64	13595	1.729	ug/L	98
12) 1,1-Dichloroethene	2.576	96	1911	0.238	ug/L #	1
15) Methyl Acetate	2.795	43	28758	8.563	ug/L #	51
18) trans-1,2-Dichloroethene	3.351	96	83679	9.519	ug/L	93
21) 2-Butanone	4.734	43	10570	4.205	ug/L #	53
22) cis-1,2-Dichloroethene	4.663	96	921081	87.884	ug/L	96
33) Benzene	5.775	78	15198	0.372	ug/L	100
34) Trichloroethene	6.541	95	60387	5.334	ug/L	98
35) Methylcyclohexane	6.689	83	15546	0.928	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	8541	0.750	ug/L #	91
42) Toluene	7.971	91	11967	0.264	ug/L	88
47) Tetrachloroethene	8.553	164	2530	0.311	ug/L	89
48) 2-Hexanone	8.685	43	22507	4.787	ug/L #	89
49) Dibromochloromethane	8.547	129	2456	0.276	ug/L #	6
51) Chlorobenzene	9.447	112	61099	2.071	ug/L	98
61) 1,2,3-Trichloropropane	11.811	75	16247	2.478	ug/L #	62
65) 1,4-Dichlorobenzene	11.836	146	9468	0.430	ug/L	97

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QLast Update : Tue Aug 29 04:51:39 2023
Response via : Initial Calibration

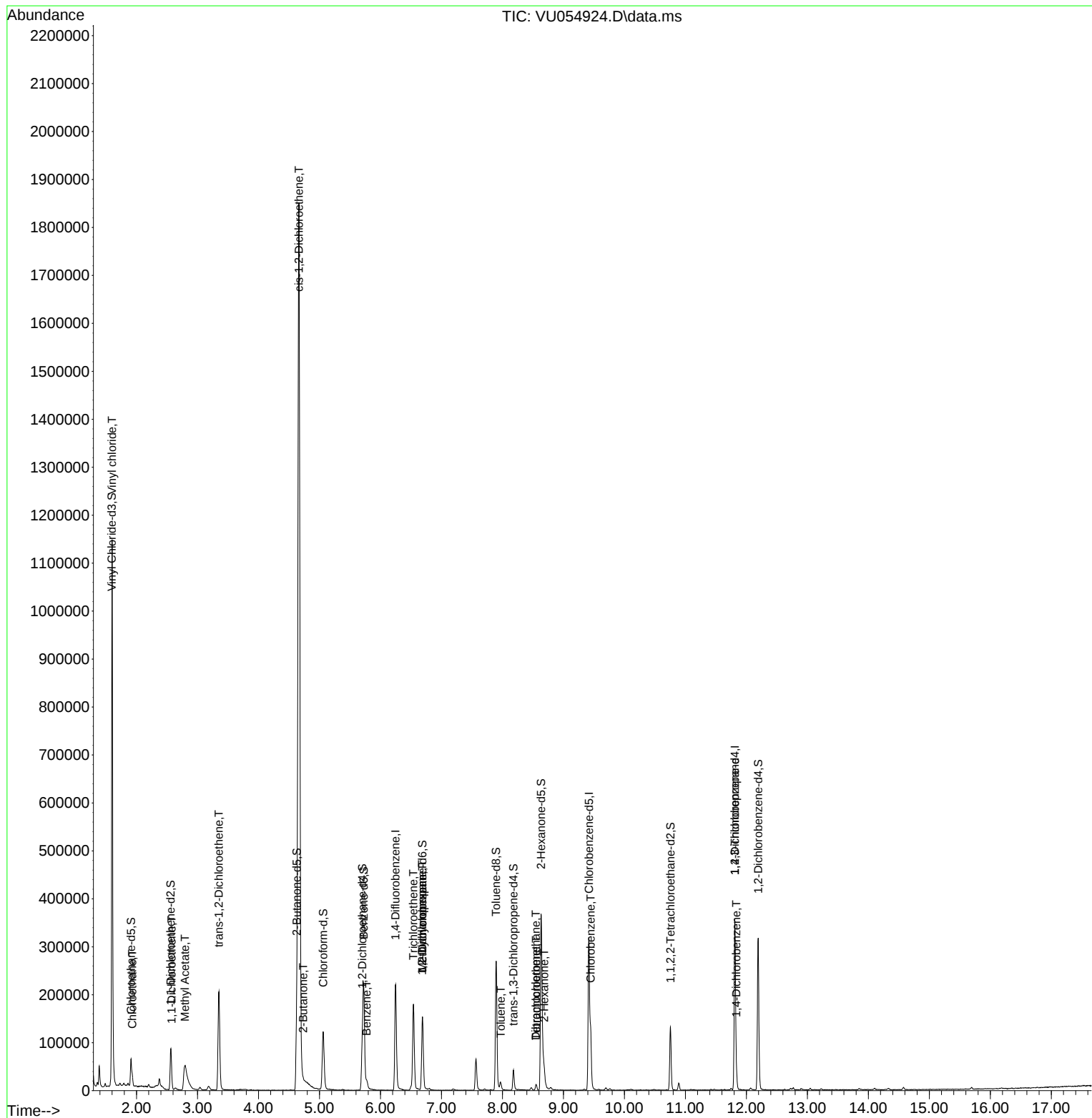
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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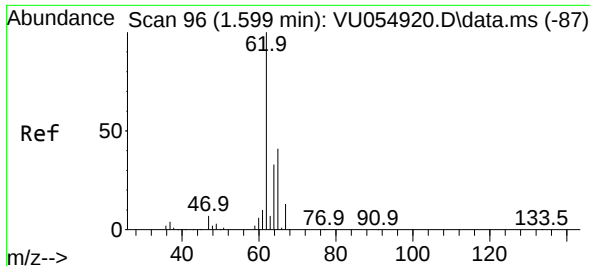
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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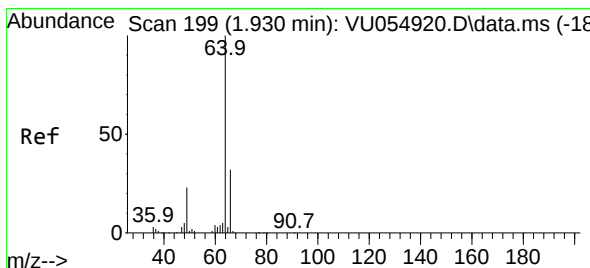
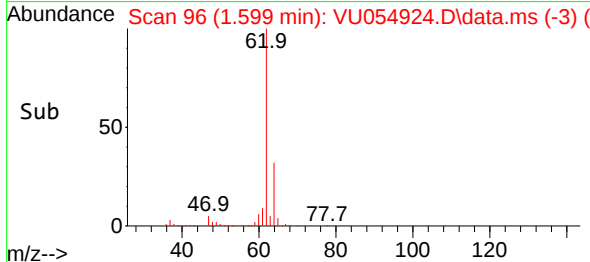
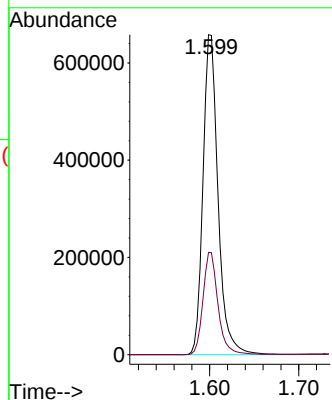
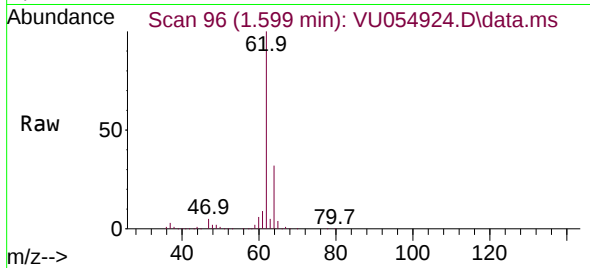




#5
 Vinyl chloride
 Concen: 64.554 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

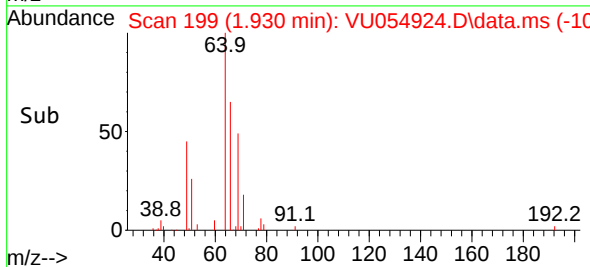
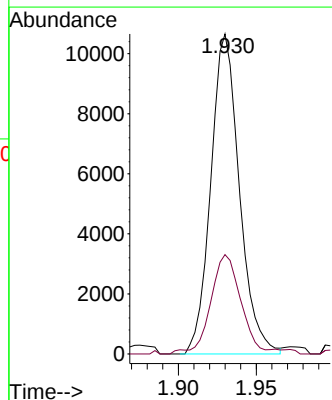
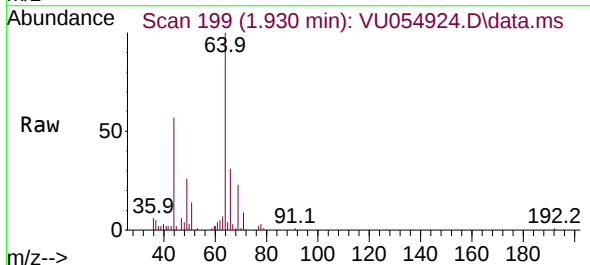
Instrument :
 MSVOA_U
 ClientSampleId :

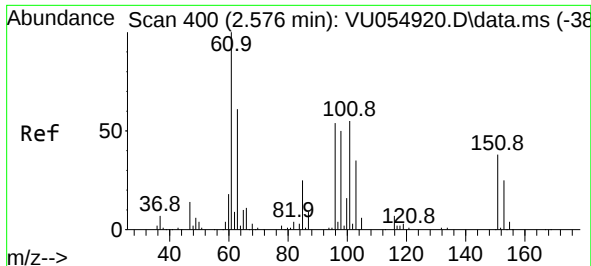
Tgt Ion: 62 Resp: 771863
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.7 42.1



#8
 Chloroethane
 Concen: 1.729 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Tgt Ion: 64 Resp: 13595
 Ion Ratio Lower Upper
 64 100
 66 29.8 21.5 39.9





#12

1,1-Dichloroethene

Concen: 0.238 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

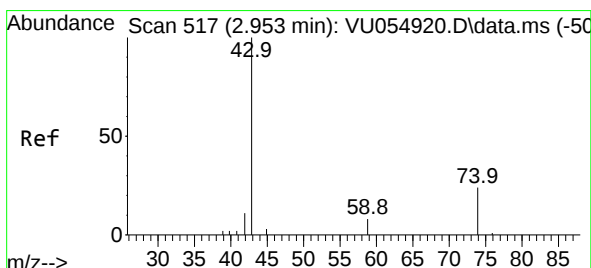
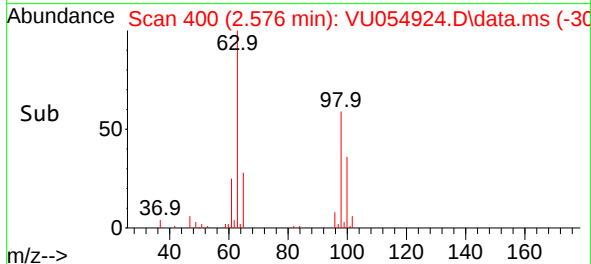
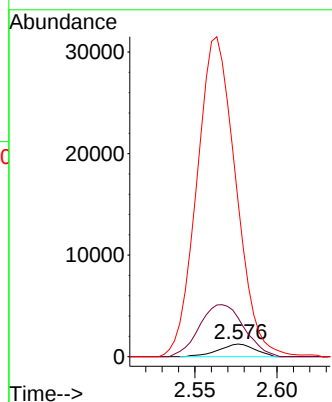
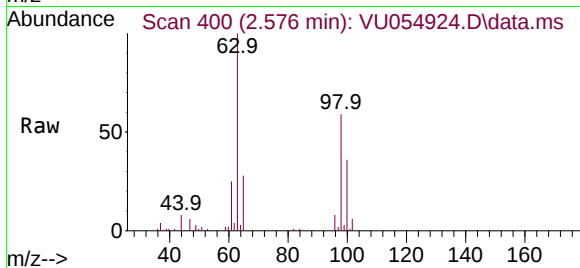
Tgt Ion: 96 Resp: 1911

Ion Ratio Lower Upper

96 100

61 308.4 132.4 245.8#

63 1231.5 82.5 153.1#



#15

Methyl Acetate

Concen: 8.563 ug/L

RT: 2.795 min Scan# 468

Delta R.T. -0.158 min

Lab File: VU054924.D

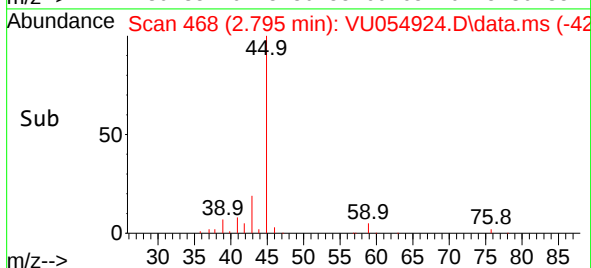
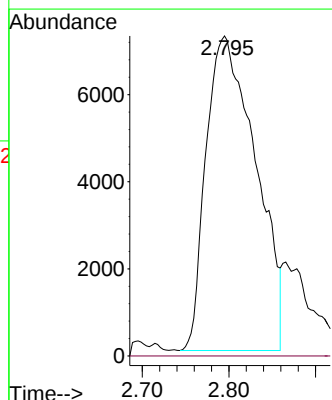
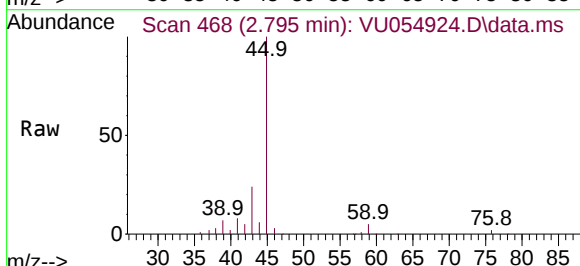
Acq: 28 Aug 2023 15:21

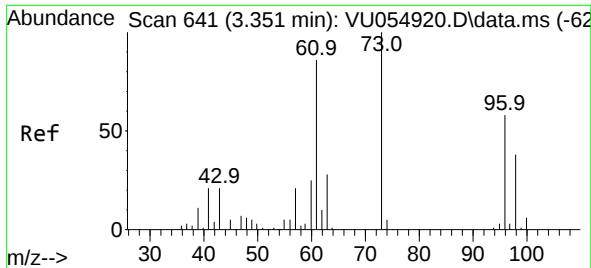
Tgt Ion: 43 Resp: 28758

Ion Ratio Lower Upper

43 100

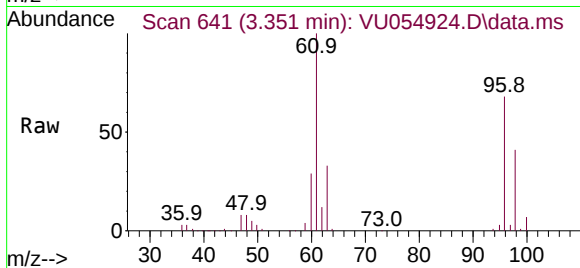
74 0.0 19.5 29.3#



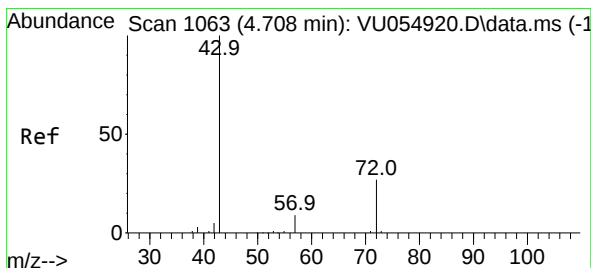
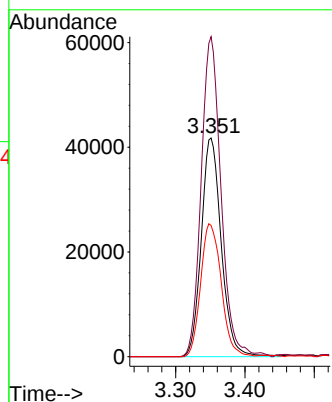
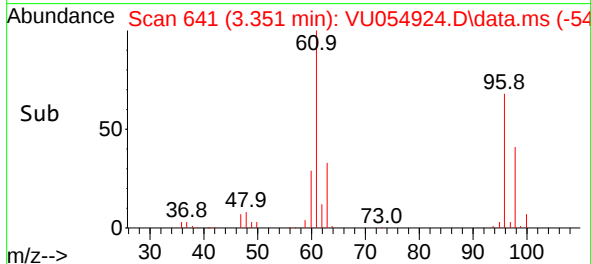


#18
trans-1,2-Dichloroethene
Concen: 9.519 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

Instrument :
MSVOA_U
ClientSampleId :

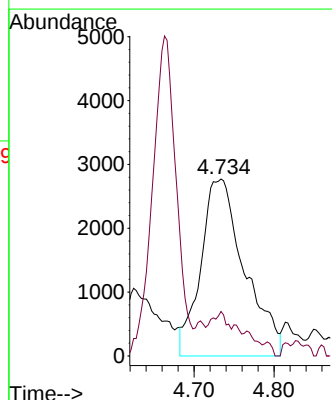
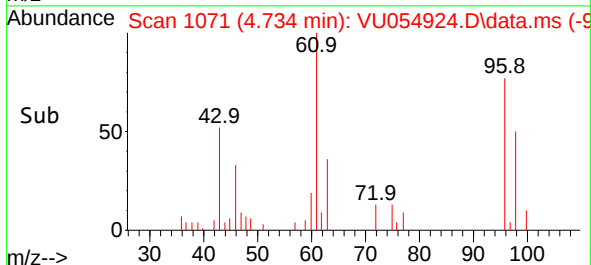
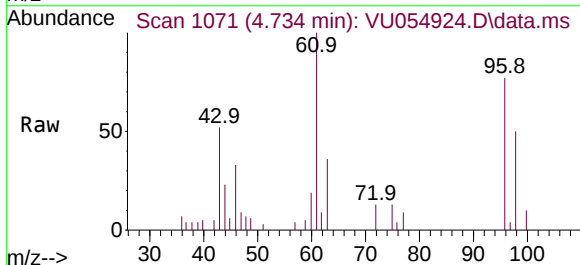


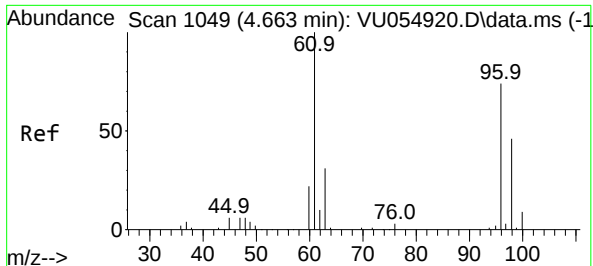
Tgt Ion: 96 Resp: 83679
Ion Ratio Lower Upper
96 100
61 146.3 108.8 202.0
98 60.0 45.8 85.2



#21
2-Butanone
Concen: 4.205 ug/L
RT: 4.734 min Scan# 1071
Delta R.T. 0.026 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

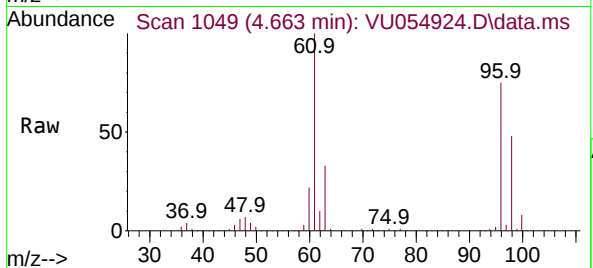
Tgt Ion: 43 Resp: 10570
Ion Ratio Lower Upper
43 100
72 3.5 14.1 42.3#



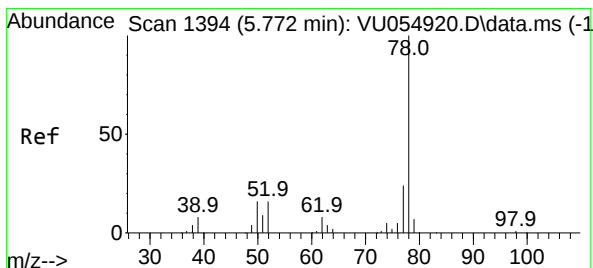
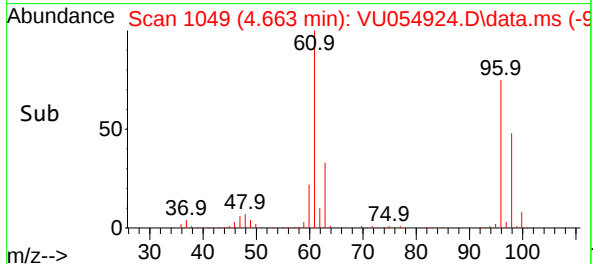
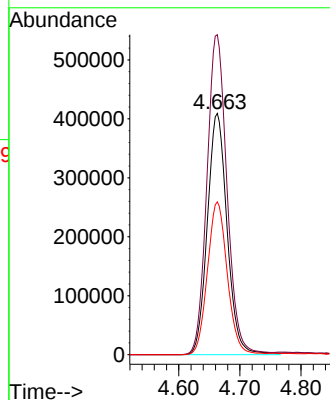


#22
 cis-1,2-Dichloroethene
 Concen: 87.884 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Instrument :
 MSVOA_U
 ClientSampleId :

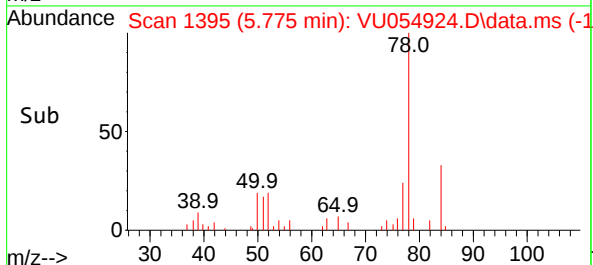
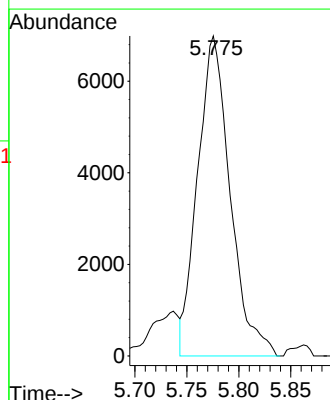
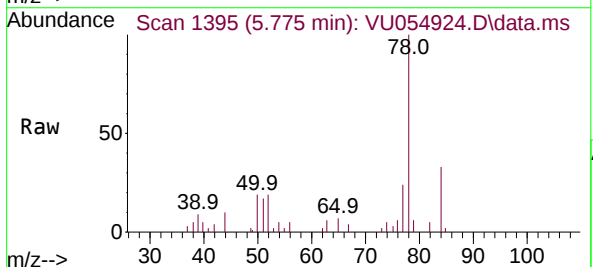


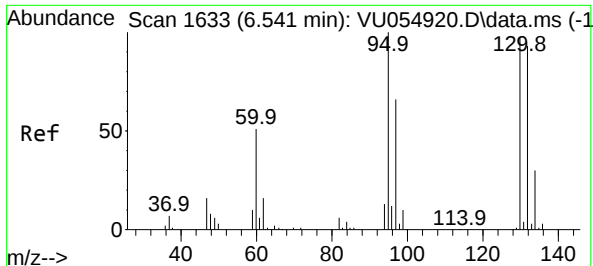
Tgt Ion:	96	Resp:	921081
Ion	Ratio	Lower	Upper
96	100		
61	132.6	88.4	164.2
98	63.3	44.0	81.6



#33
 Benzene
 Concen: 0.372 ug/L
 RT: 5.775 min Scan# 1395
 Delta R.T. 0.003 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Tgt Ion: 78 Resp: 15198





#34

Trichloroethene

Concen: 5.334 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

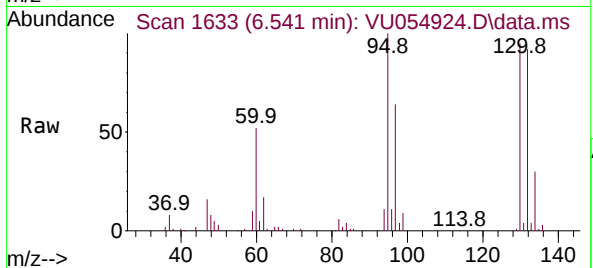
Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 60387

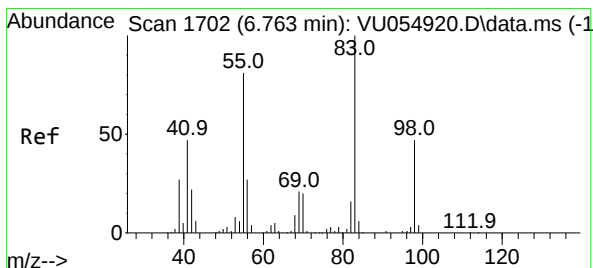
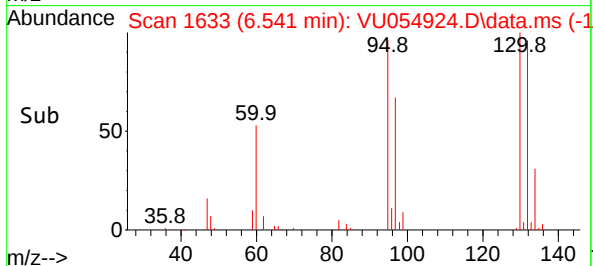
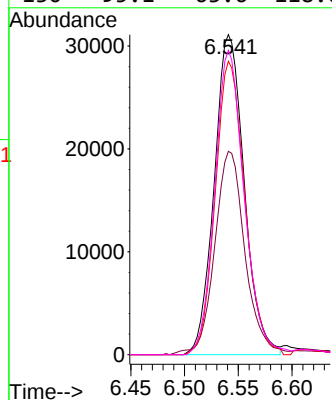
Ion Ratio Lower Upper

95 100

97 63.5 44.1 81.9

132 91.7 63.6 118.2

130 95.1 63.6 118.0



#35

Methylcyclohexane

Concen: 0.928 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

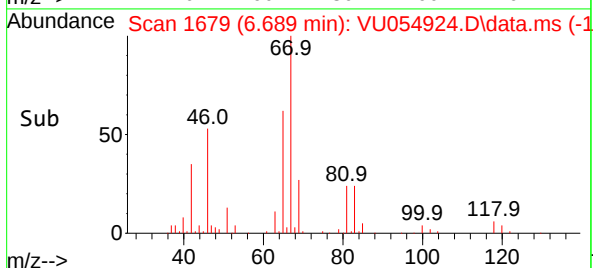
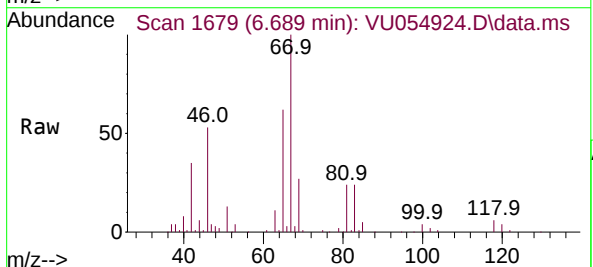
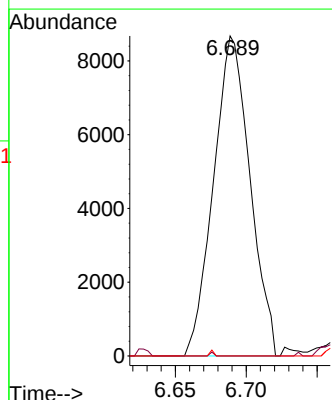
Tgt Ion: 83 Resp: 15546

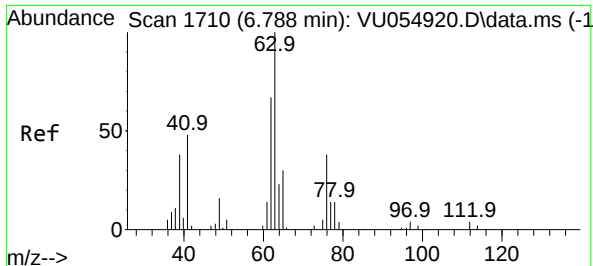
Ion Ratio Lower Upper

83 100

55 0.6 62.1 93.1#

98 0.0 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.750 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Instrument :

MSVOA_U

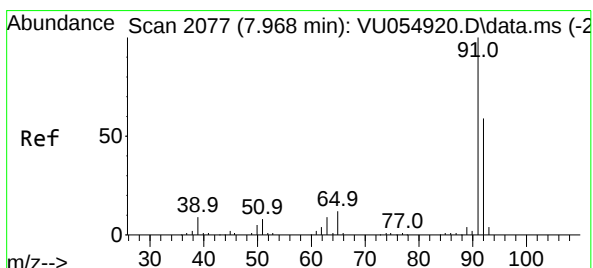
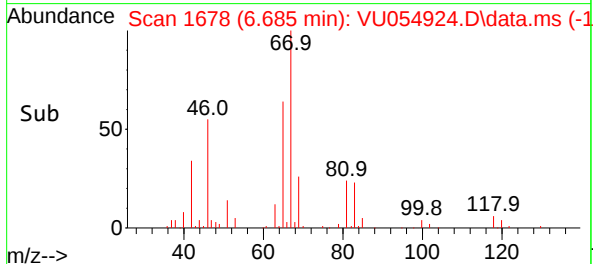
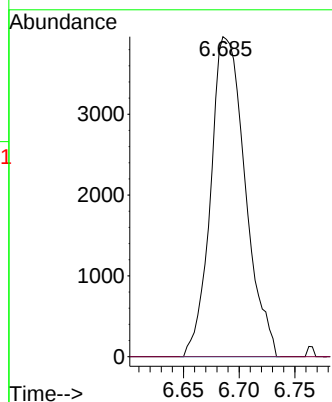
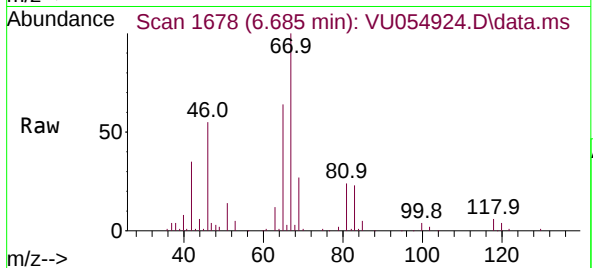
ClientSampleId :

Tgt Ion: 63 Resp: 8541

Ion Ratio Lower Upper

63 100

112 0.5 2.7 4.1#



#42

Toluene

Concen: 0.264 ug/L

RT: 7.971 min Scan# 2078

Delta R.T. 0.003 min

Lab File: VU054924.D

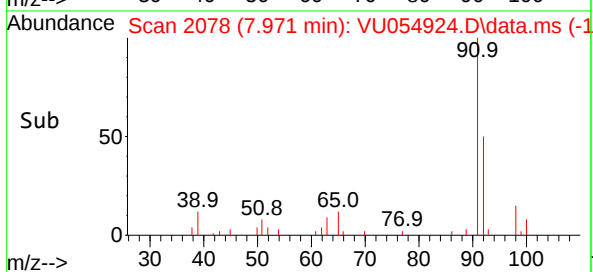
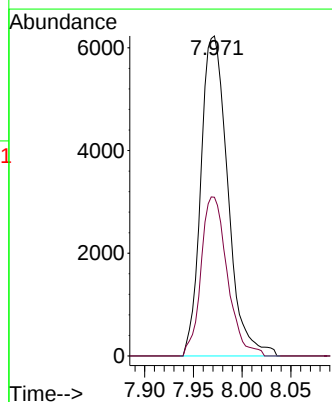
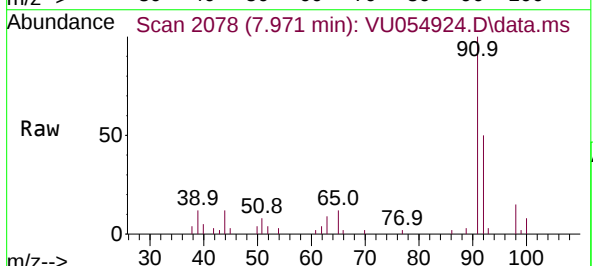
Acq: 28 Aug 2023 15:21

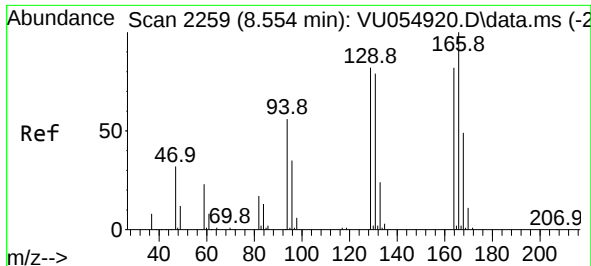
Tgt Ion: 91 Resp: 11967

Ion Ratio Lower Upper

91 100

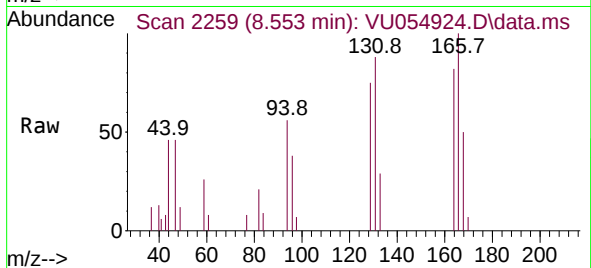
92 49.6 41.2 76.4



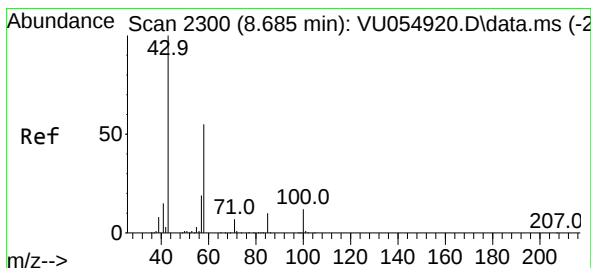
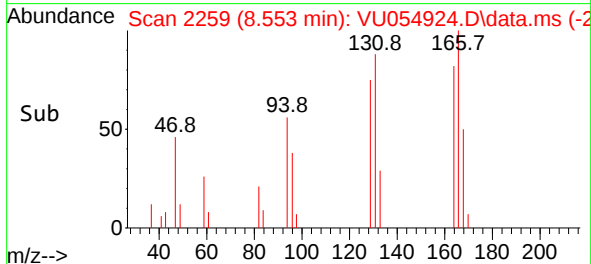
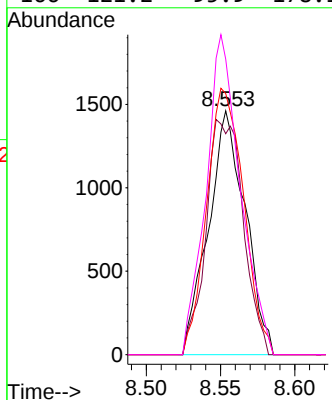


#47
Tetrachloroethene
Concen: 0.311 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

Instrument :
MSVOA_U
ClientSampleId :

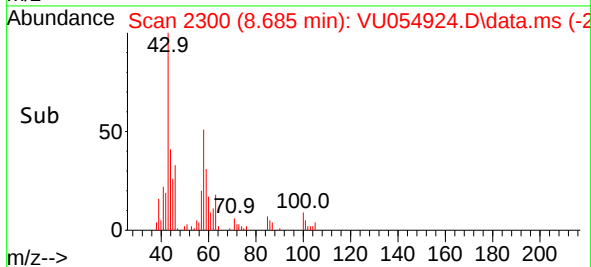
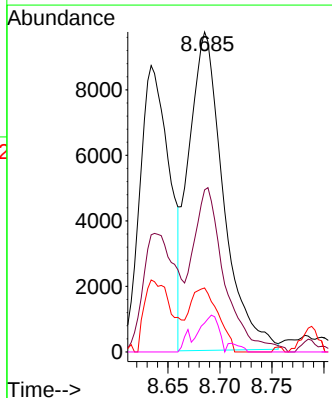
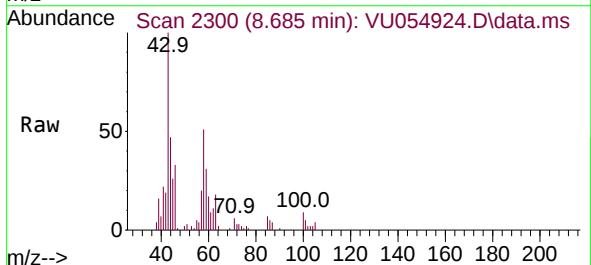


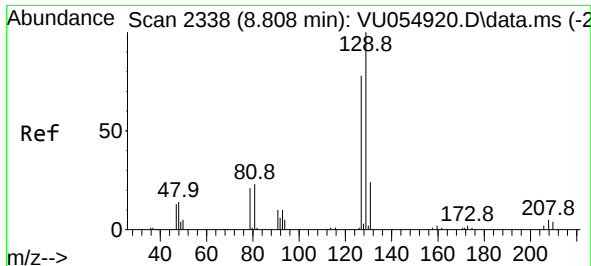
Tgt Ion:164	Resp:	2530
Ion	Ratio	Lower Upper
164	100	
129	90.6	72.8 135.2
131	107.1	70.7 131.3
166	121.2	95.9 178.1



#48
2-Hexanone
Concen: 4.787 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. -0.000 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

Tgt Ion: 43	Resp:	22507
Ion	Ratio	Lower Upper
43	100	
58	46.7	44.0 66.0
57	16.1	15.9 23.9
100	6.1	9.4 14.0





#49

Dibromochloromethane

Concen: 0.276 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Instrument :

MSVOA_U

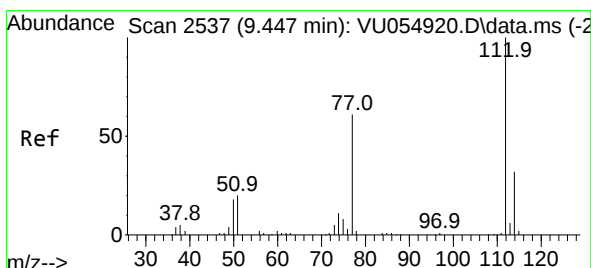
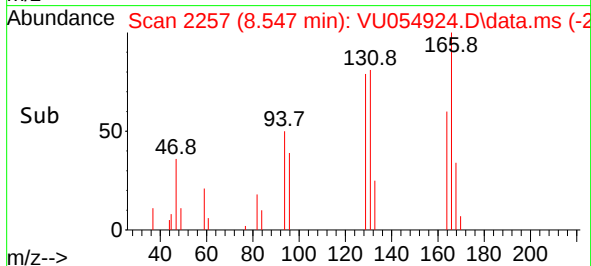
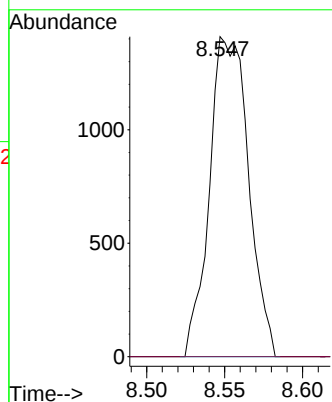
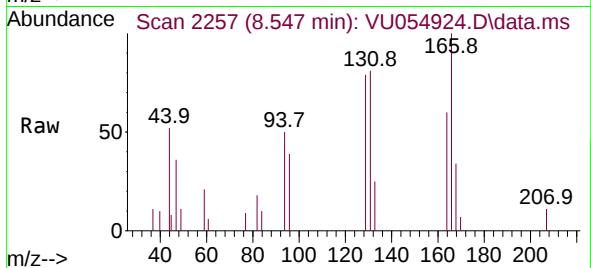
ClientSampleId :

Tgt Ion:129 Resp: 2456

Ion Ratio Lower Upper

129 100

127 0.0 60.5 112.5#



#51

Chlorobenzene

Concen: 2.071 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. -0.000 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

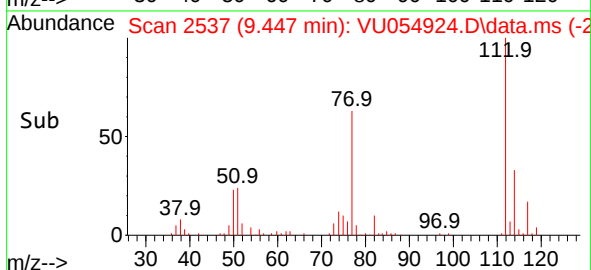
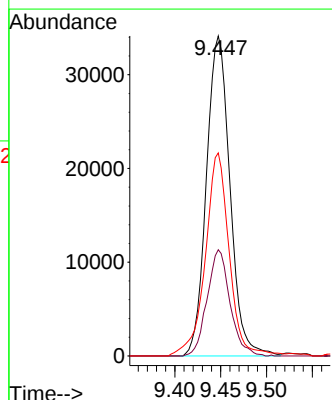
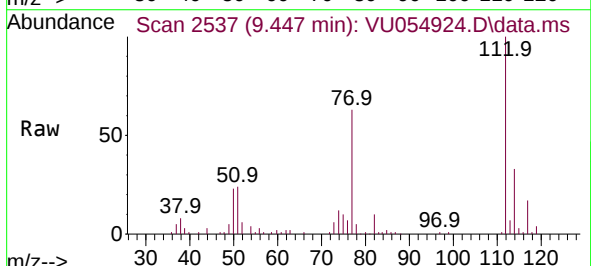
Tgt Ion:112 Resp: 61099

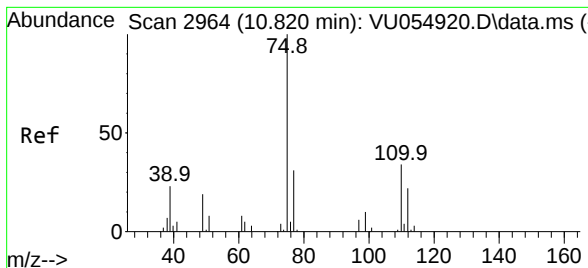
Ion Ratio Lower Upper

112 100

114 33.2 23.4 43.4

77 63.4 49.3 73.9





#61

1,2,3-Trichloropropane

Concen: 2.478 ug/L

RT: 11.811 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

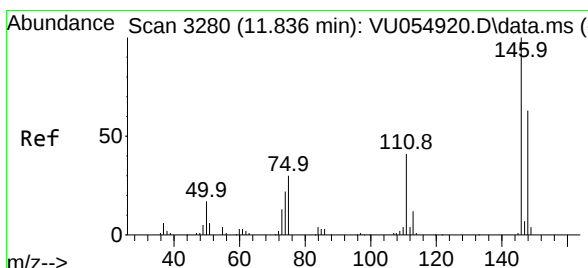
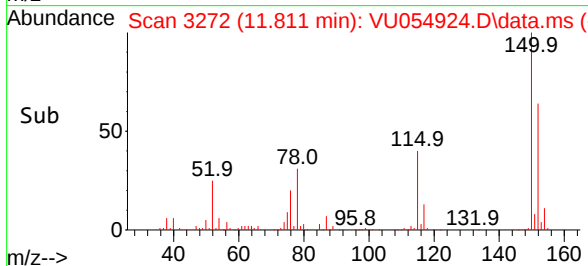
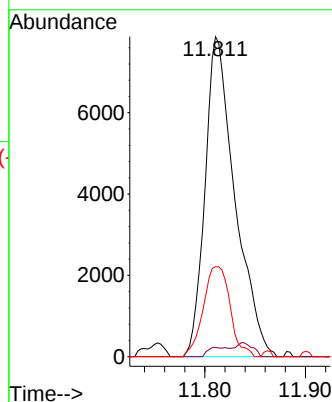
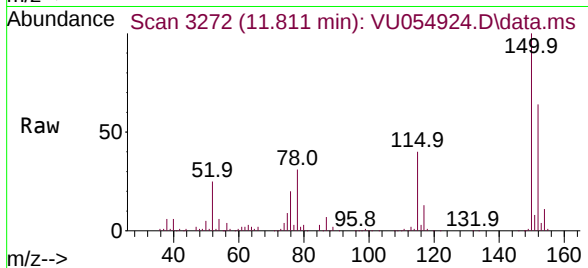
Tgt Ion: 75 Resp: 16247

Ion Ratio Lower Upper

75 100

110 1.4 29.0 43.6#

77 25.2 26.5 39.7#



#65

1,4-Dichlorobenzene

Concen: 0.430 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. -0.000 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Tgt Ion:146 Resp: 9468

Ion Ratio Lower Upper

146 100

111 45.3 29.9 55.5

148 62.6 44.7 83.1

