

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054940.D
 Acq On : 28 Aug 2023 21:55
 Operator : MD/SY
 Sample : 04173-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 05:03:25 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	180210	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	174277	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	90532	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	30847	5.423	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.400%
7) Chloroethane-d5	1.911	69	35598	4.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.563	65	15015	4.671	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.631	46	188759	61.481	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.960%
24) Chloroform-d	5.062	84	102330	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.701	65	57368	5.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.724	84	189599	4.840	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.689	67	66894	4.855	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.898	98	172568	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.180	79	20867	4.602	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.631	63	129060	59.969	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.940%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	61224	5.182	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	73421	5.079	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	5470	0.469	ug/L	94
5) Vinyl chloride	1.602	62	743634	61.483	ug/L	99
8) Chloroethane	1.930	64	14834	1.865	ug/L	93
12) 1,1-Dichloroethene	2.576	96	2013	0.247	ug/L #	1
13) Acetone	2.637	43	9588	5.777	ug/L	88
18) trans-1,2-Dichloroethene	3.351	96	84979	9.557	ug/L	91
21) 2-Butanone	4.727	43	19422	7.638	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	933457	88.049	ug/L	96
33) Benzene	5.775	78	12769	0.311	ug/L	100
34) Trichloroethene	6.541	95	68327	5.997	ug/L	98
35) Methylcyclohexane	6.692	83	15540	0.922	ug/L #	18
47) Tetrachloroethene	8.550	164	2789	0.341	ug/L	94
48) 2-Hexanone	8.682	43	13725	2.901	ug/L #	92
49) Dibromochloromethane	8.557	129	2758	0.308	ug/L #	6
51) Chlorobenzene	9.447	112	59766	2.013	ug/L	98
61) 1,2,3-Trichloropropane	11.811	75	15751	2.337	ug/L #	67
65) 1,4-Dichlorobenzene	11.836	146	9377	0.415	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 29 04:51:39 2023
Response via : Initial Calibration

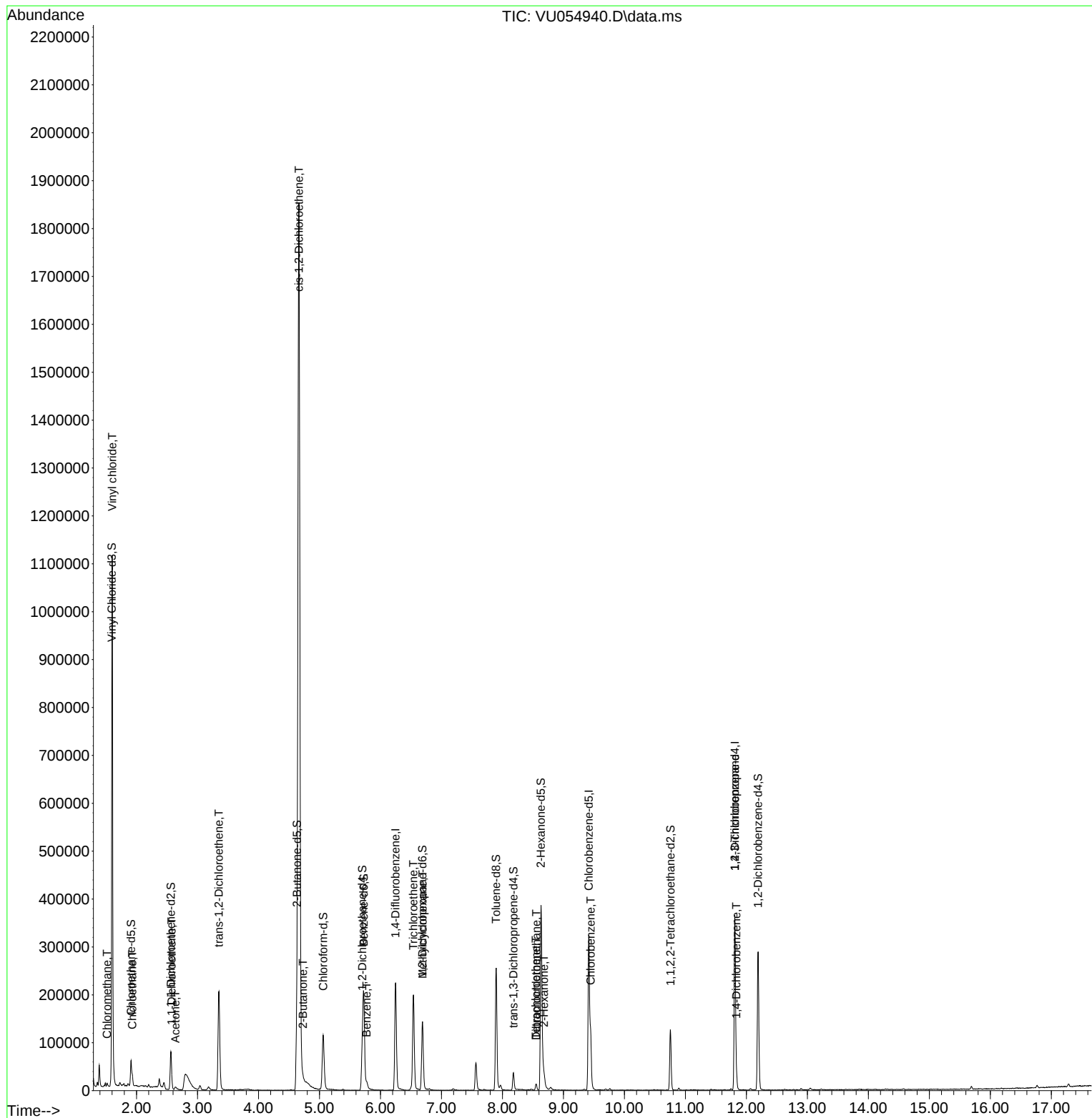
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

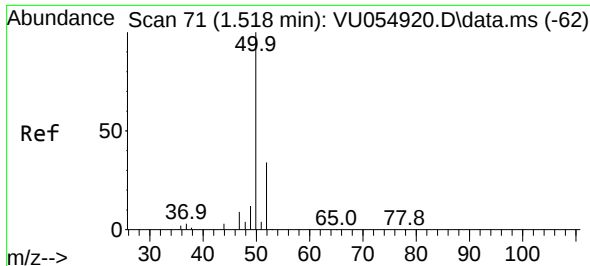
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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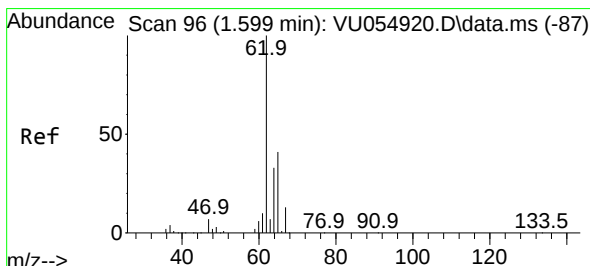
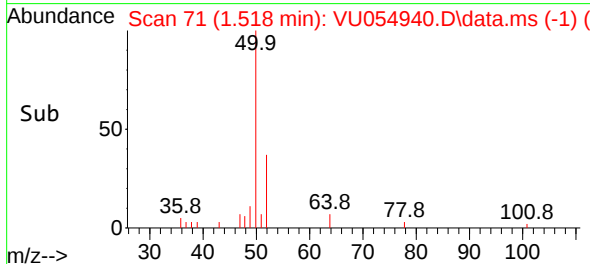
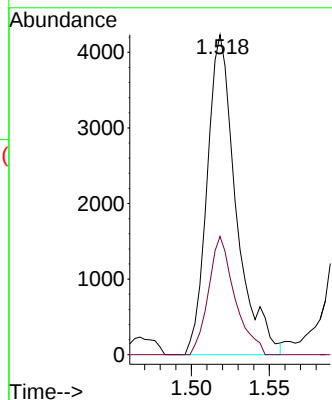
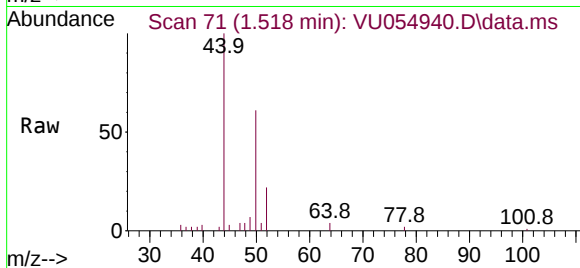
#3
Chloromethane
Concen: 0.469 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

Instrument :

MSVOA_U

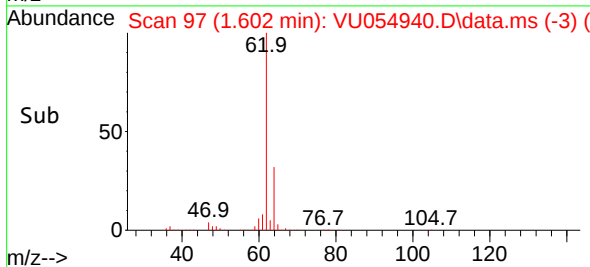
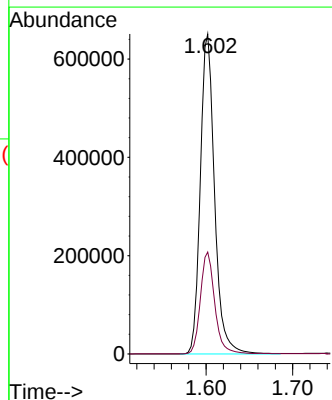
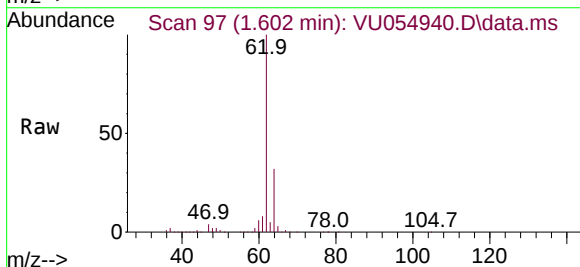
ClientSampleId :

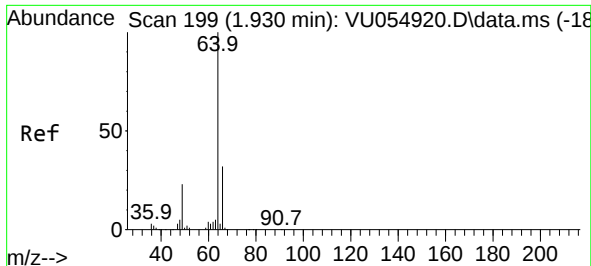
Tgt Ion: 50 Resp: 5470
Ion Ratio Lower Upper
50 100
52 37.0 23.4 43.6



#5
Vinyl chloride
Concen: 61.483 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

Tgt Ion: 62 Resp: 743634
Ion Ratio Lower Upper
62 100
64 31.9 22.7 42.1





#8

Chloroethane

Concen: 1.865 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

Instrument :

MSVOA_U

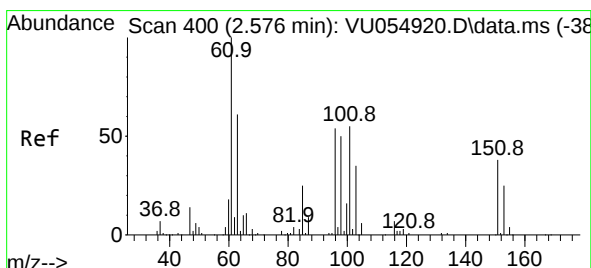
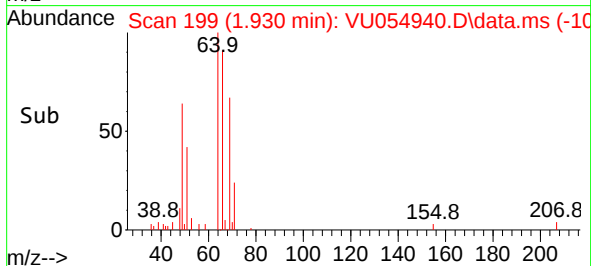
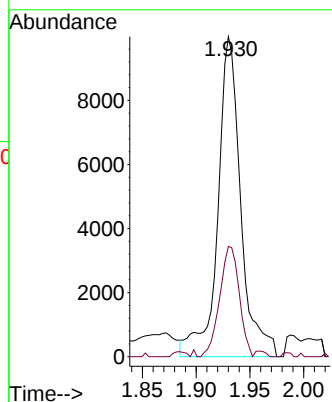
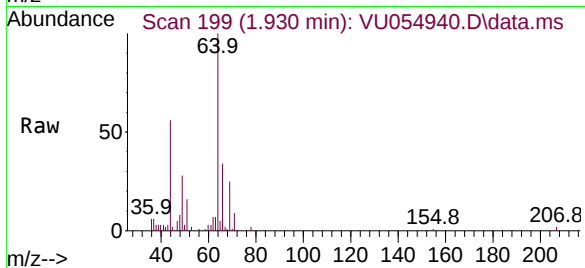
ClientSampleId :

Tgt Ion: 64 Resp: 14834

Ion Ratio Lower Upper

64 100

66 34.5 21.5 39.9



#12

1,1-Dichloroethene

Concen: 0.247 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

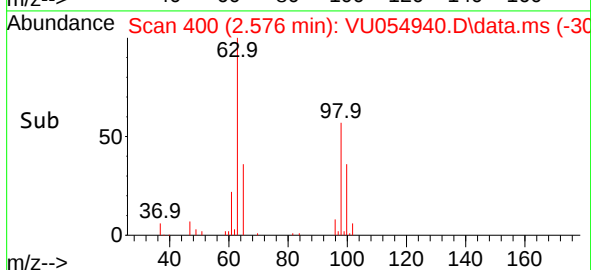
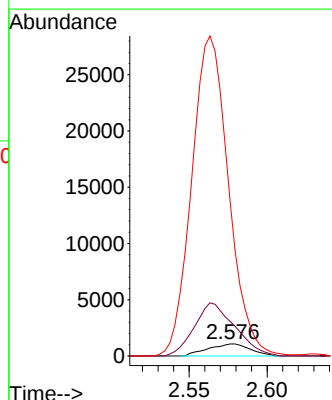
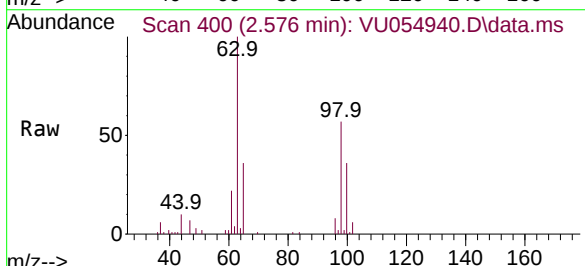
Tgt Ion: 96 Resp: 2013

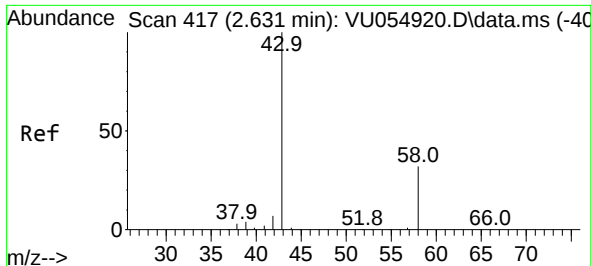
Ion Ratio Lower Upper

96 100

61 288.6 132.4 245.8#

63 1293.5 82.5 153.1#





#13

Acetone

Concen: 5.777 ug/L

RT: 2.637 min Scan# 417

Delta R.T. 0.006 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

Instrument :

MSVOA_U

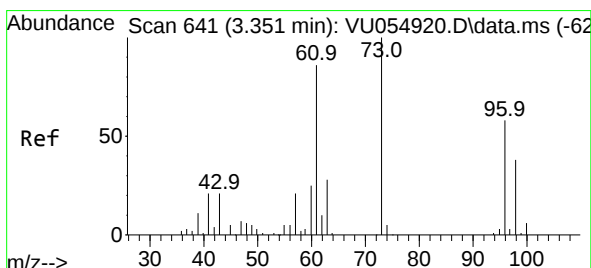
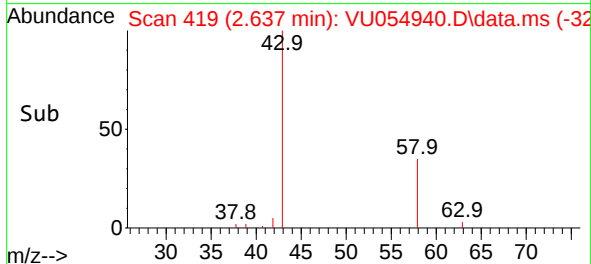
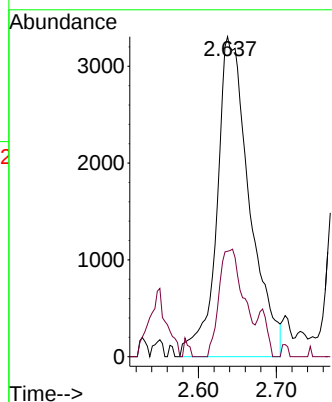
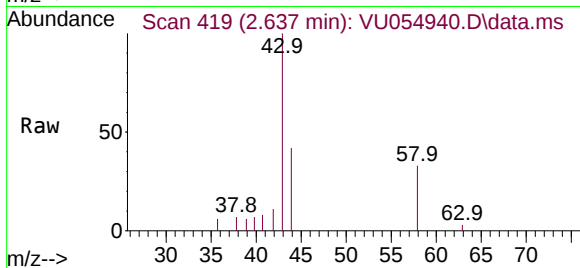
ClientSampleId :

Tgt Ion: 43 Resp: 9588

Ion Ratio Lower Upper

43 100

58 25.5 0.0 64.4



#18

trans-1,2-Dichloroethene

Concen: 9.557 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

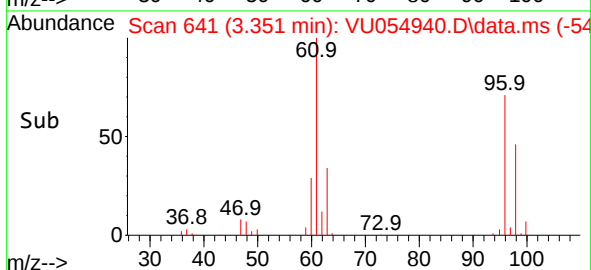
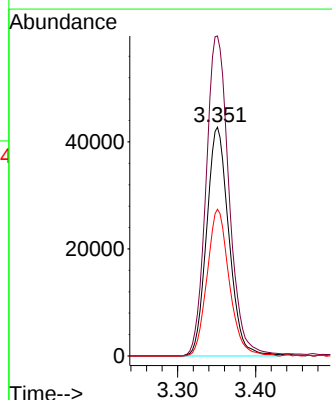
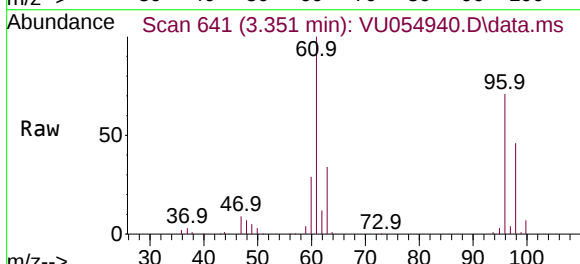
Tgt Ion: 96 Resp: 84979

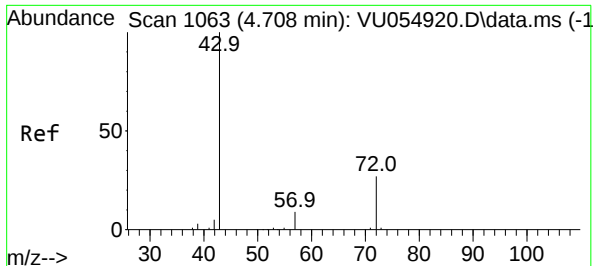
Ion Ratio Lower Upper

96 100

61 139.9 108.8 202.0

98 64.1 45.8 85.2





#21

2-Butanone

Concen: 7.638 ug/L

RT: 4.727 min Scan# 1069

Delta R.T. 0.019 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

Instrument :

MSVOA_U

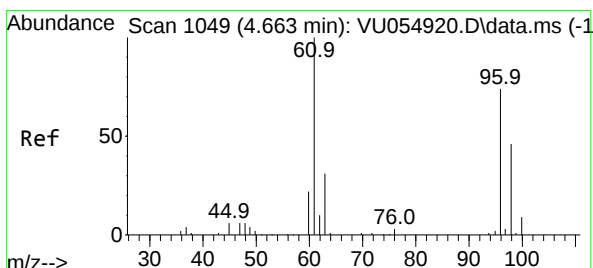
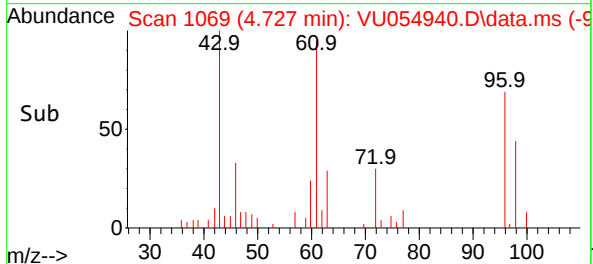
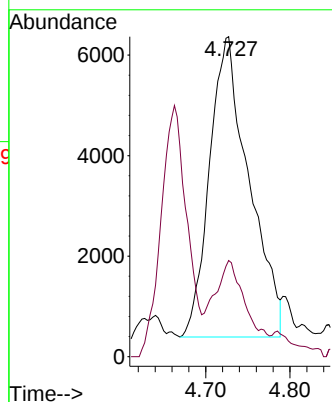
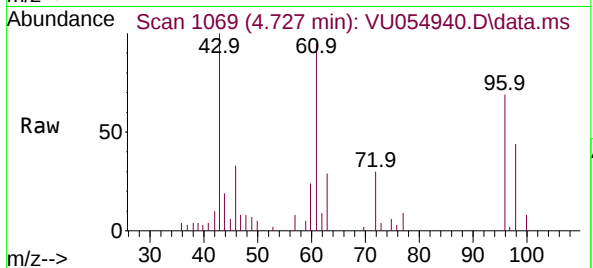
ClientSampleId :

Tgt Ion: 43 Resp: 19422

Ion Ratio Lower Upper

43 100

72 27.6 14.1 42.3



#22

cis-1,2-Dichloroethene

Concen: 88.049 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

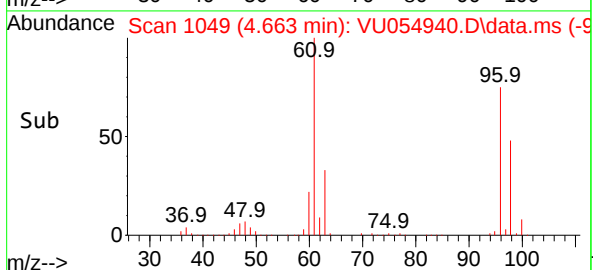
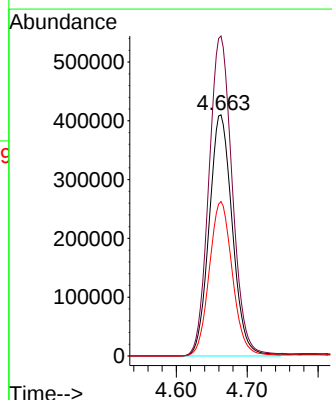
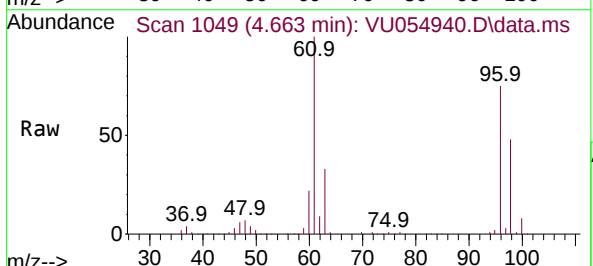
Tgt Ion: 96 Resp: 933457

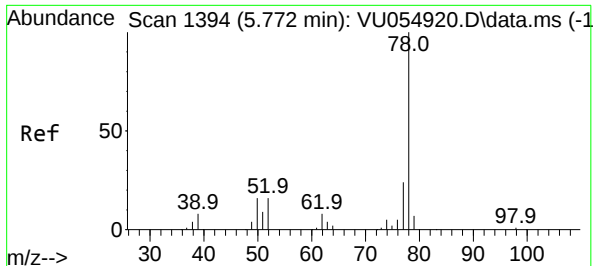
Ion Ratio Lower Upper

96 100

61 132.7 88.4 164.2

98 64.0 44.0 81.6

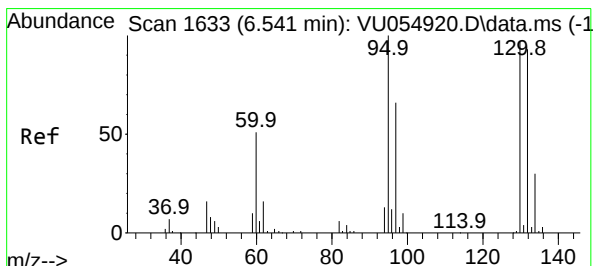
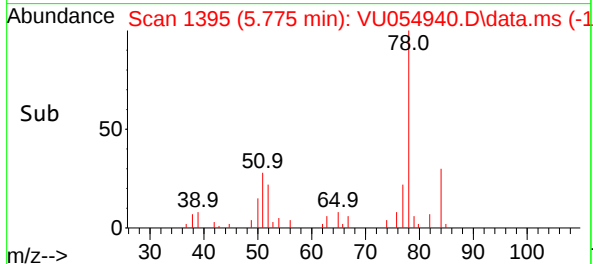
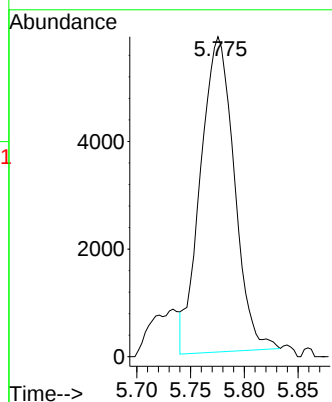
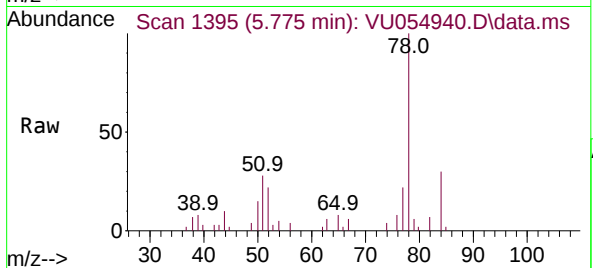




#33
Benzene
Concen: 0.311 ug/L
RT: 5.775 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

Instrument :
MSVOA_U
ClientSampleId :

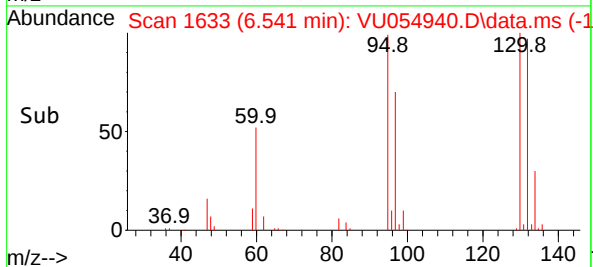
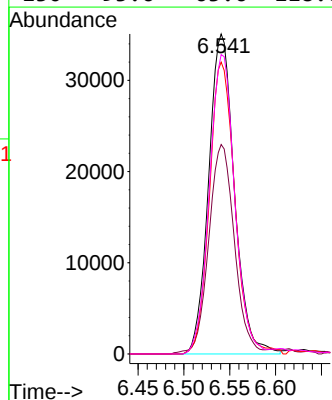
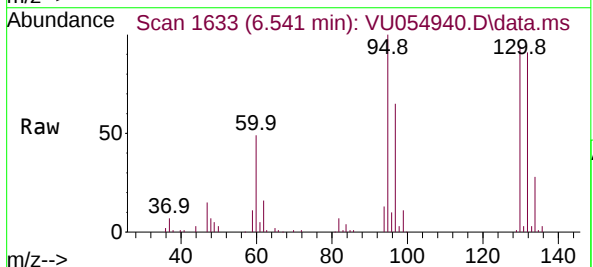
Tgt Ion: 78 Resp: 12769

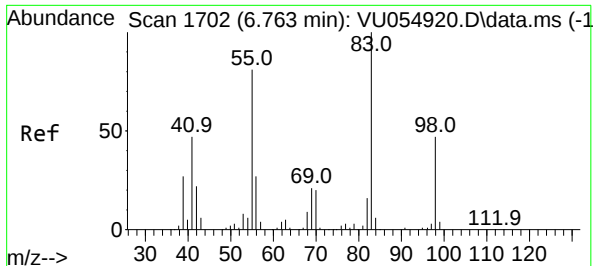


#34
Trichloroethene
Concen: 5.997 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

Tgt Ion: 95 Resp: 68327

Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.1	81.9
132	91.2	63.6	118.2
130	93.6	63.6	118.0





#35

Methylcyclohexane

Concen: 0.922 ug/L

RT: 6.692 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU054940.D

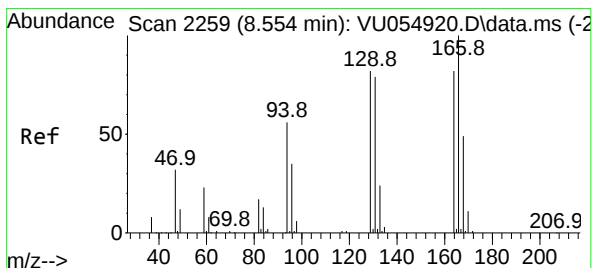
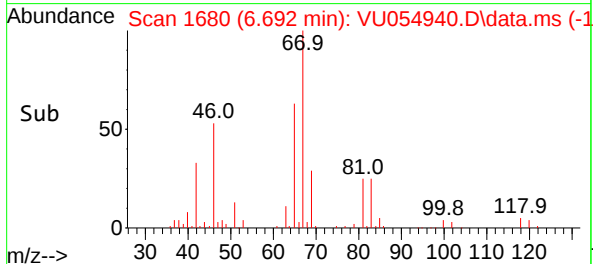
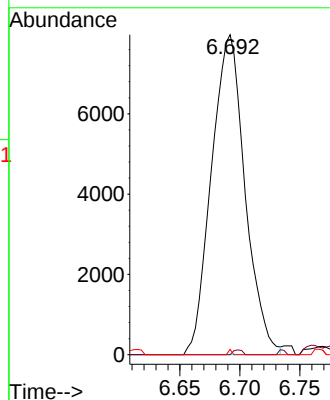
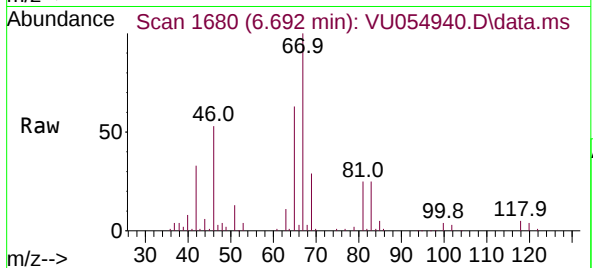
Acq: 28 Aug 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp:	15540
Ion Ratio	Lower	Upper
83	100	
55	0.4	62.1 93.1#
98	0.0	37.8 56.6#



#47

Tetrachloroethene

Concen: 0.341 ug/L

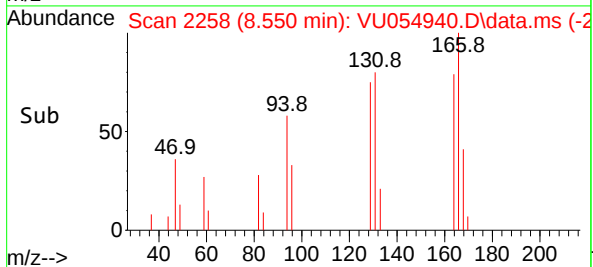
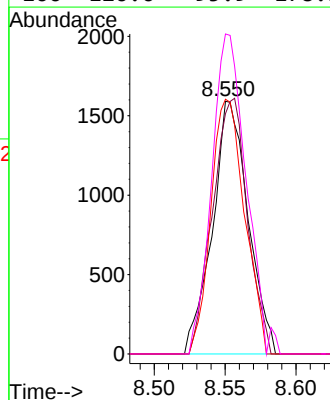
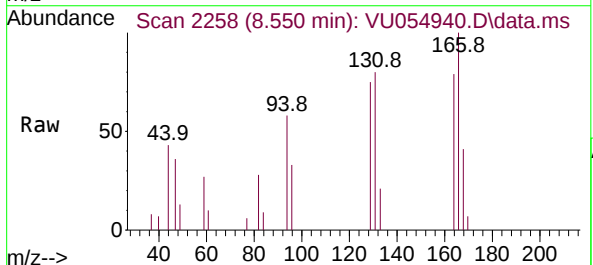
RT: 8.550 min Scan# 2258

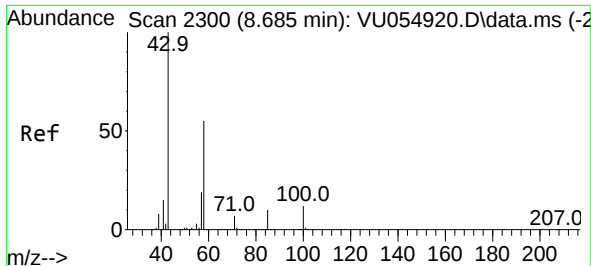
Delta R.T. -0.003 min

Lab File: VU054940.D

Acq: 28 Aug 2023 21:55

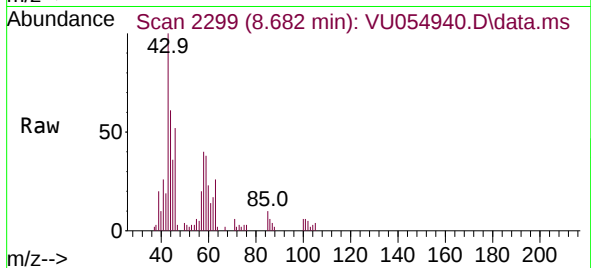
Tgt Ion: 164	Resp:	2789
Ion Ratio	Lower	Upper
164	100	
129	95.1	72.8 135.2
131	100.8	70.7 131.3
166	126.6	95.9 178.1



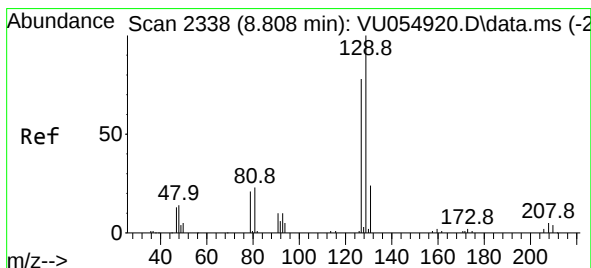
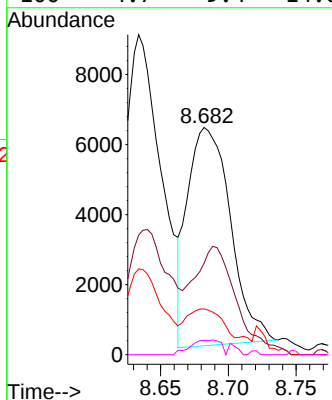
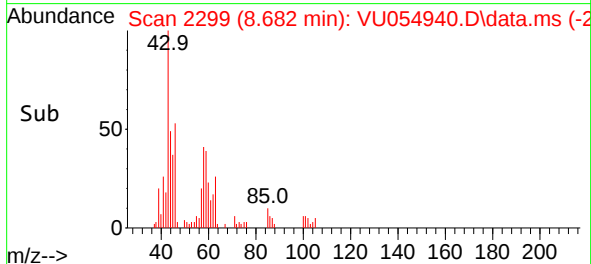


#48
2-Hexanone
Concen: 2.901 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

Instrument :
MSVOA_U
ClientSampleId :

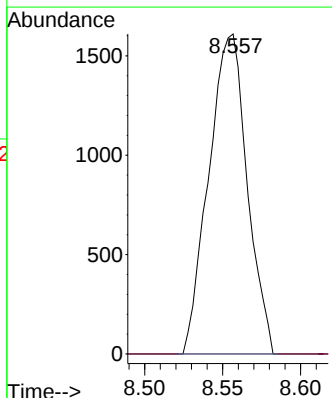
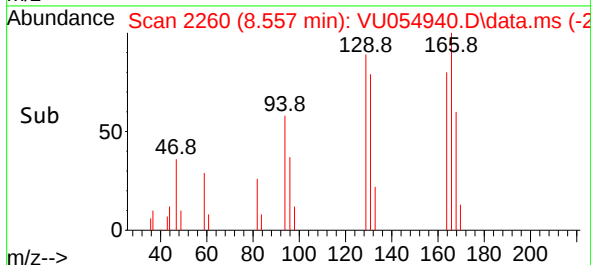
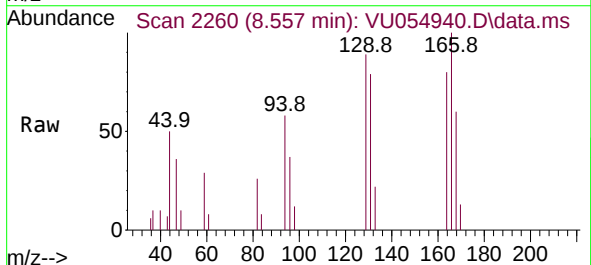


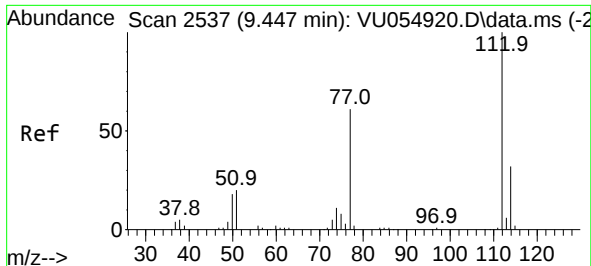
Tgt Ion: 43 Resp: 13725
Ion Ratio Lower Upper
43 100
58 49.9 44.0 66.0
57 21.2 15.9 23.9
100 4.7 9.4 14.0#



#49
Dibromochloromethane
Concen: 0.308 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. -0.251 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

Tgt Ion: 129 Resp: 2758
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#

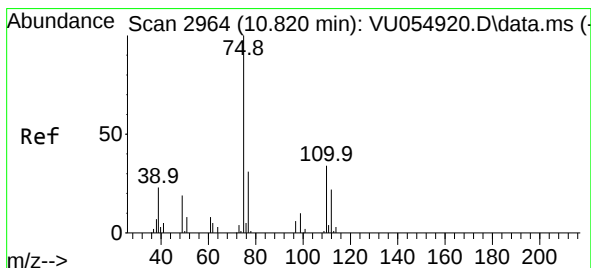
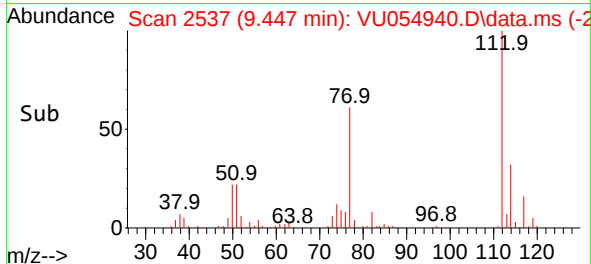
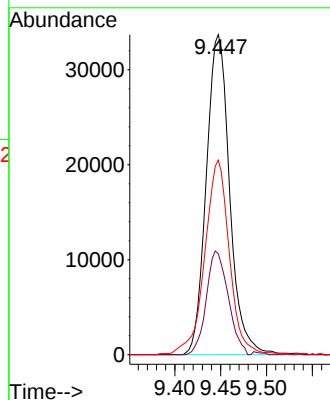
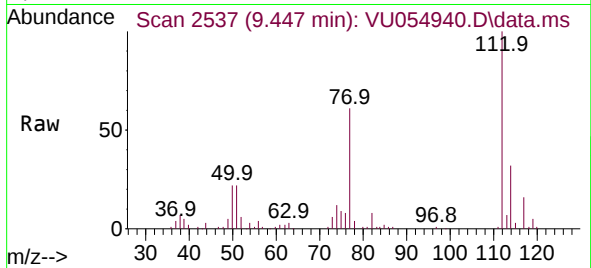




#51
Chlorobenzene
Concen: 2.013 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

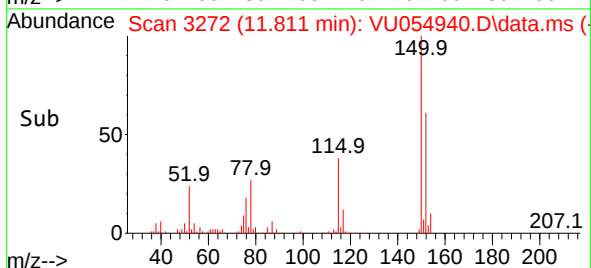
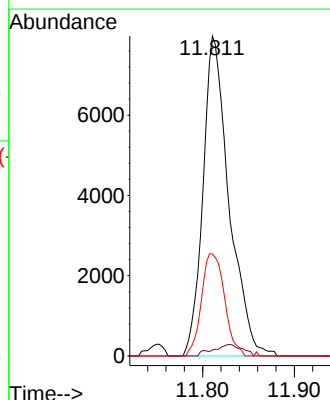
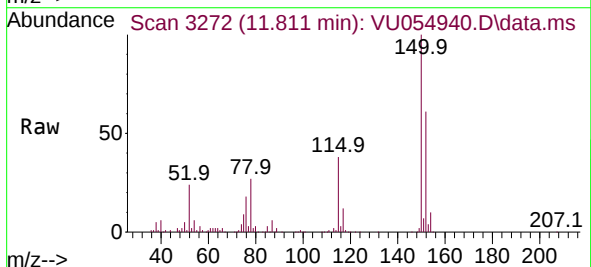
Instrument :
MSVOA_U
ClientSampleId :

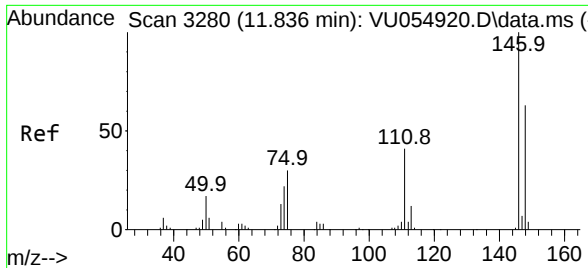
Tgt Ion:112 Resp: 59766
Ion Ratio Lower Upper
112 100
114 31.5 23.4 43.4
77 60.8 49.3 73.9



#61
1,2,3-Trichloropropane
Concen: 2.337 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.990 min
Lab File: VU054940.D
Acq: 28 Aug 2023 21:55

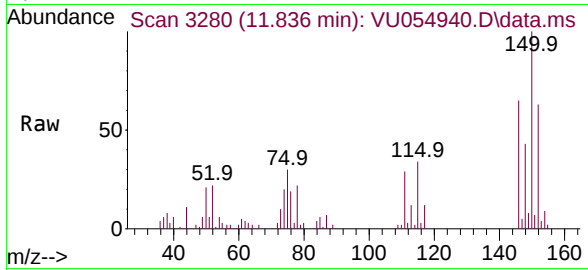
Tgt Ion: 75 Resp: 15751
Ion Ratio Lower Upper
75 100
110 4.0 29.0 43.6#
77 28.2 26.5 39.7





#65
 1,4-Dichlorobenzene
 Concen: 0.415 ug/L
 RT: 11.836 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054940.D
 Acq: 28 Aug 2023 21:55

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	9377
Ion	Ratio	Lower	Upper
146	100		
111	44.4	29.9	55.5
148	67.0	44.7	83.1

