

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055155.D
 Acq On : 06 Sep 2023 21:44
 Operator : MD/SY
 Sample : 04286-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 22:30:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170986	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	175510	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90229	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	33037	4.123	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.907	69	42701	4.603	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.560	65	20797	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.628	46	136362	58.637	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.280%
24) Chloroform-d	5.062	84	105043	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.702	65	54813	5.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.724	84	202893	4.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.689	67	66929	4.857	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.898	98	175077	4.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.181	79	16119	4.248	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.634	63	75535	49.031	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.060%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	51331	5.297	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	63865	4.849	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2592	0.256	ug/L	92
5) Vinyl chloride	1.599	62	1368	0.128	ug/L #	57
9) Trichlorofluoromethane	2.136	101	4203	0.271	ug/L	89
12) 1,1-Dichloroethene	2.573	96	57311	7.250	ug/L	89
17) Methyl tert-butyl Ether	3.361	73	14669	0.708	ug/L #	94
18) trans-1,2-Dichloroethene	3.354	96	1145	0.143	ug/L	81
19) 1,1-Dichloroethane	3.869	63	8698	0.502	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	91557	9.326	ug/L	96
29) 1,1,1-Trichloroethane	5.316	97	2425	0.160	ug/L #	84
34) Trichloroethene	6.537	95	494649	47.648	ug/L	97
35) Methylcyclohexane	6.692	83	14969	1.028	ug/L #	20
37) 1,2-Dichloropropane	6.692	63	7654	0.753	ug/L #	88
47) Tetrachloroethene	8.553	164	27031	3.767	ug/L	97
48) 2-Hexanone	8.689	43	20494	4.510	ug/L #	81
49) Dibromochloromethane	8.553	129	25858	3.458	ug/L #	9
51) Chlorobenzene	9.451	112	4140	0.157	ug/L	89
61) 1,2,3-Trichloropropane	11.814	75	12810	2.139	ug/L #	70

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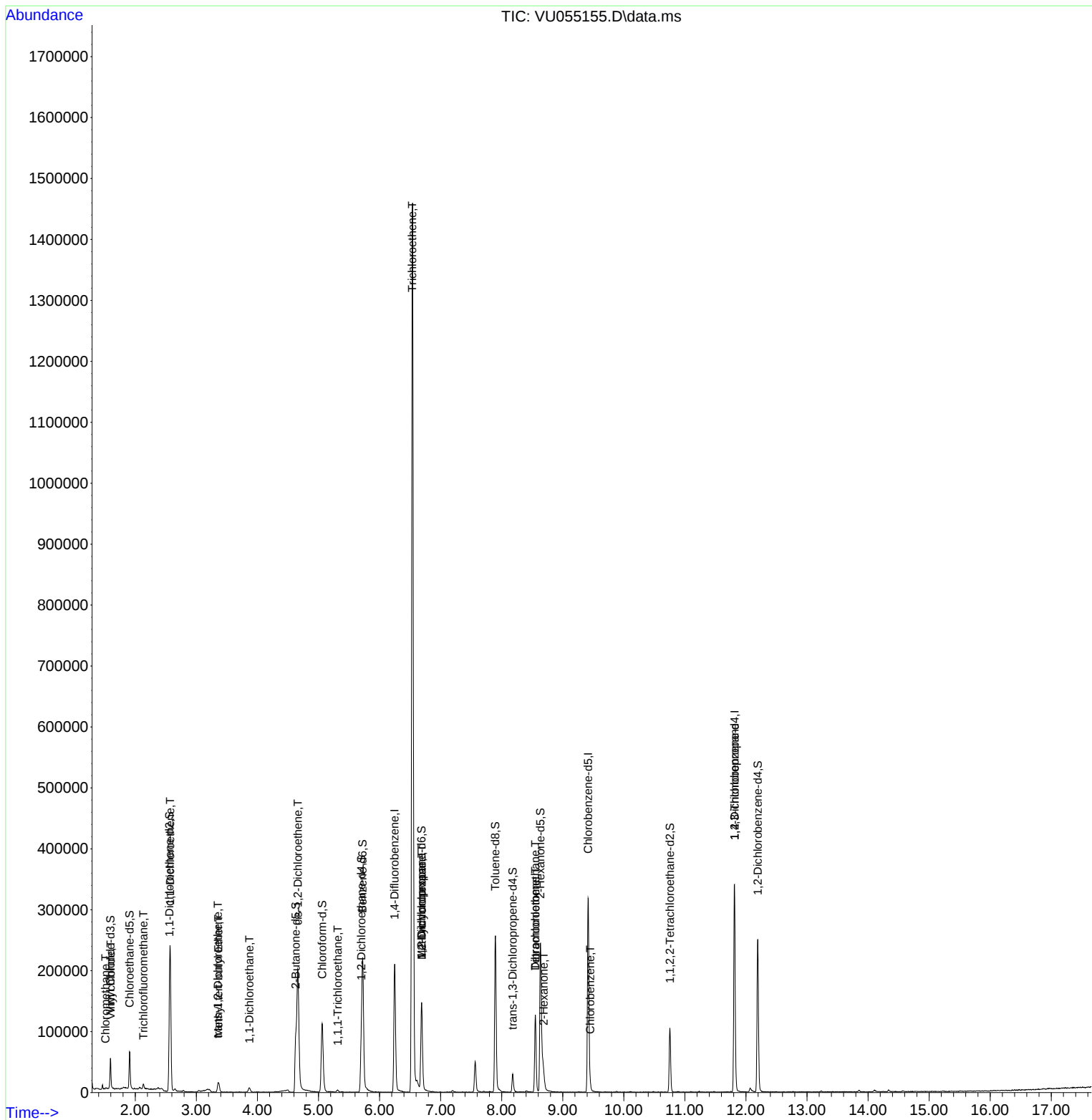
Instrument :
MSVOA_U
ClientSampleId :

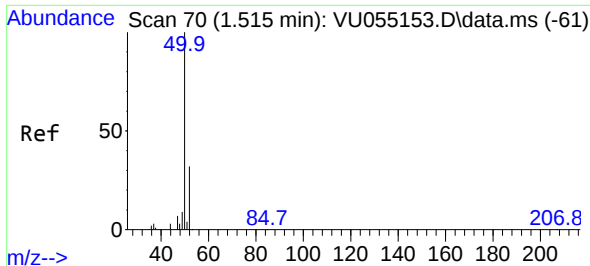
Quant Time: Sep 06 22:30:59 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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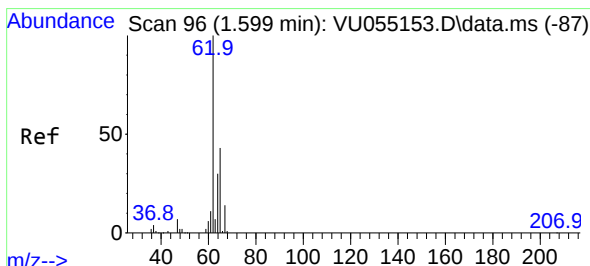
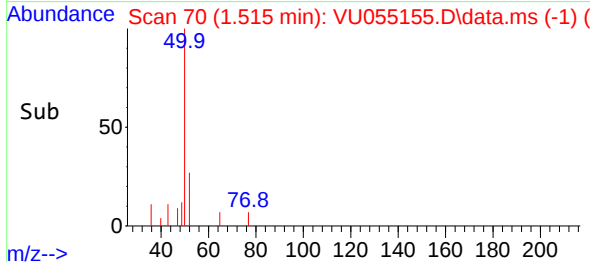
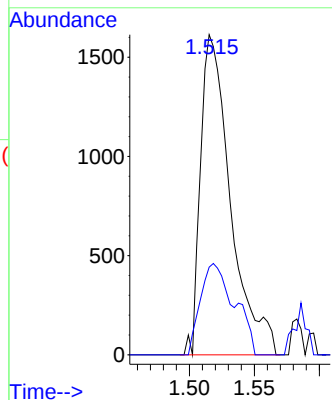
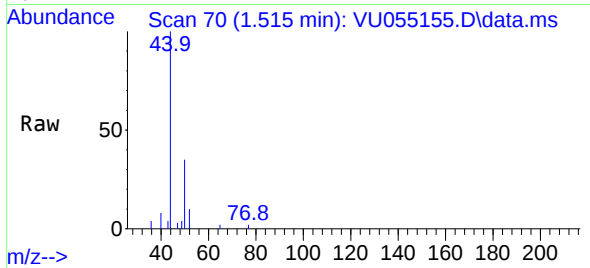




#3
Chloromethane
Concen: 0.256 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

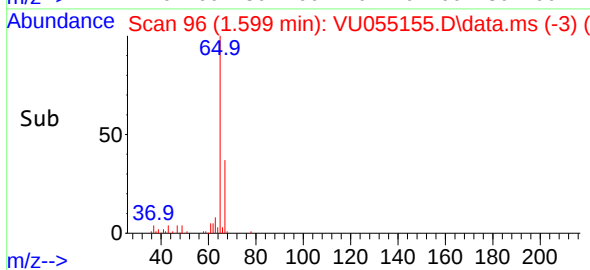
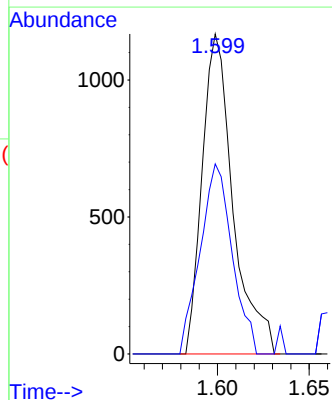
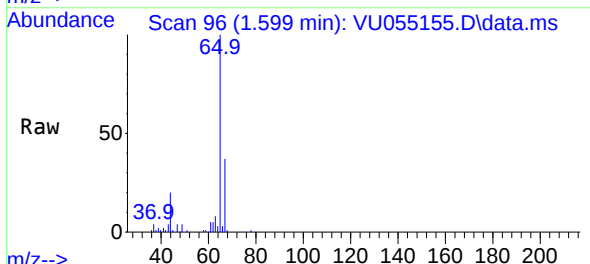
Instrument :
MSVOA_U
ClientSampleId :

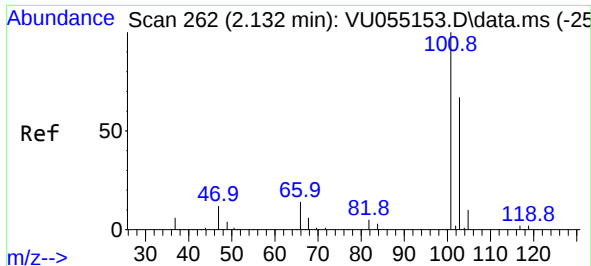
Tgt Ion: 50 Resp: 2592
Ion Ratio Lower Upper
50 100
52 27.4 22.5 41.7



#5
Vinyl chloride
Concen: 0.128 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

Tgt Ion: 62 Resp: 1368
Ion Ratio Lower Upper
62 100
64 59.4 24.2 45.0#

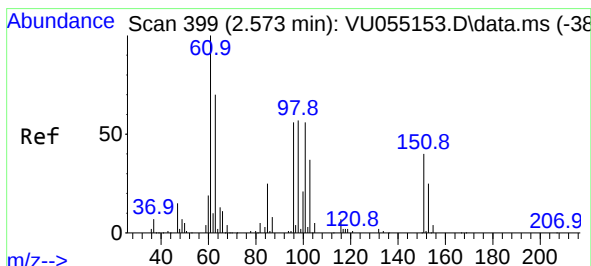
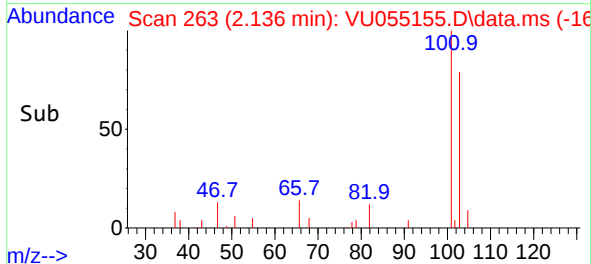
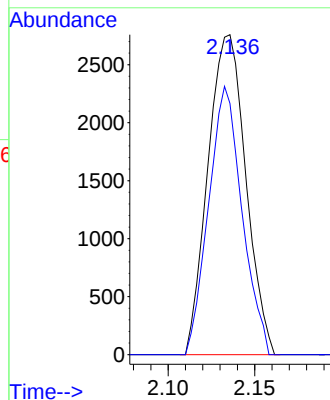
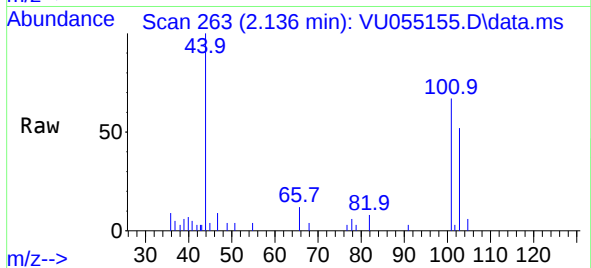




#9
 Trichlorofluoromethane
 Concen: 0.271 ug/L
 RT: 2.136 min Scan# 203
 Delta R.T. 0.003 min
 Lab File: VU055155.D
 Acq: 06 Sep 2023 21:44

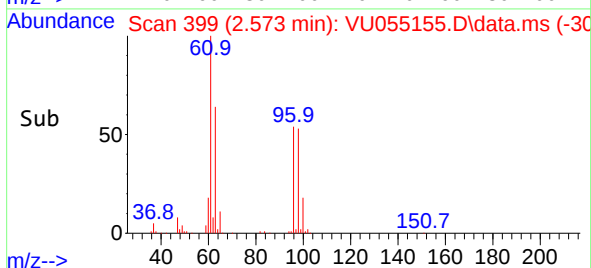
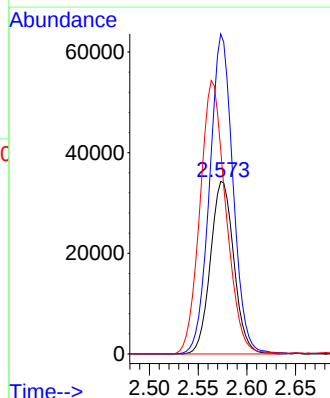
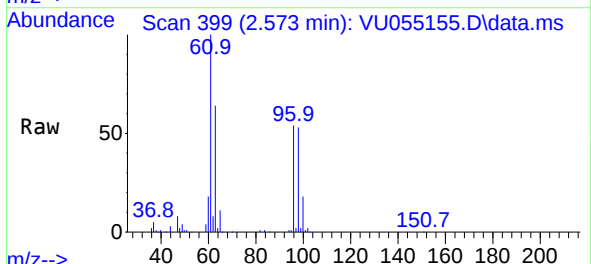
Instrument :
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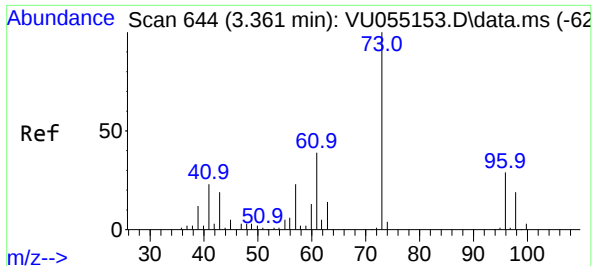
Tgt Ion:101 Resp: 4203
 Ion Ratio Lower Upper
 101 100
 103 73.9 51.9 77.9



#12
 1,1-Dichloroethene
 Concen: 7.250 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU055155.D
 Acq: 06 Sep 2023 21:44

Tgt Ion: 96 Resp: 57311
 Ion Ratio Lower Upper
 96 100
 61 185.6 120.8 224.4
 63 118.7 94.5 175.5

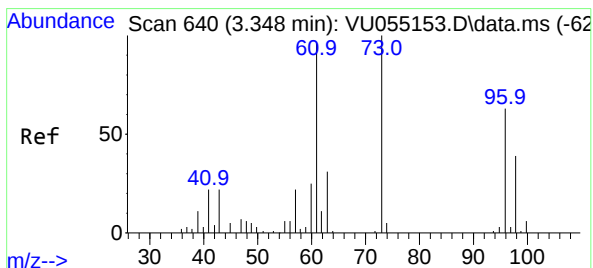
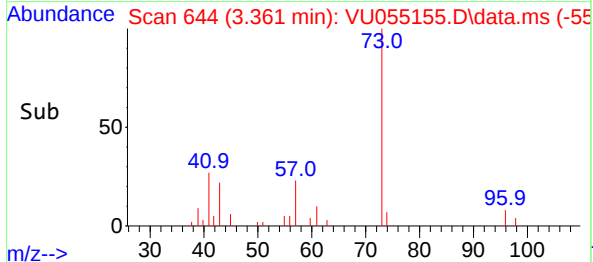
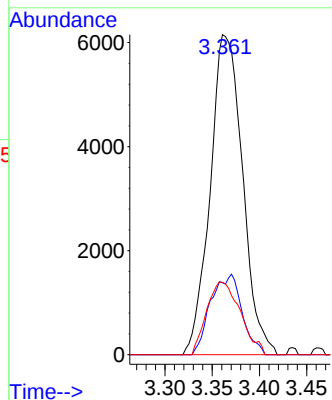
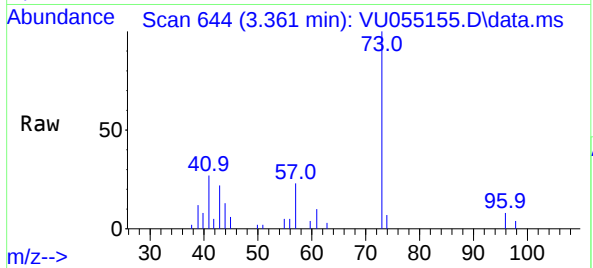




#17
Methyl tert-butyl Ether
Concen: 0.708 ug/L
RT: 3.361 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

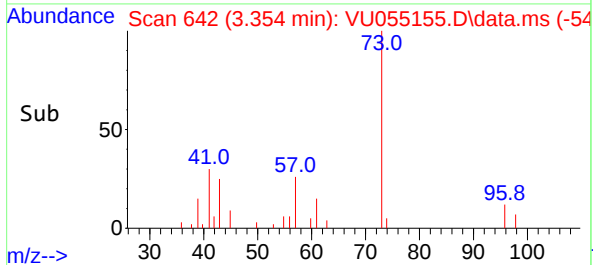
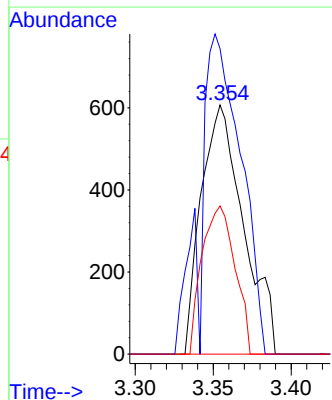
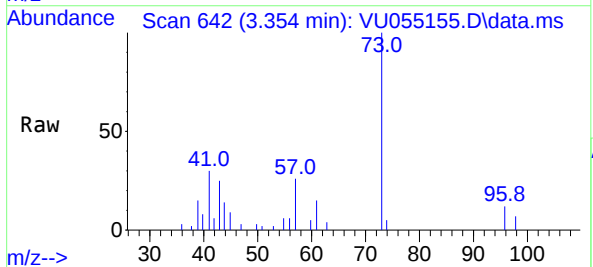
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MSVOA_U
ClientSampleId :

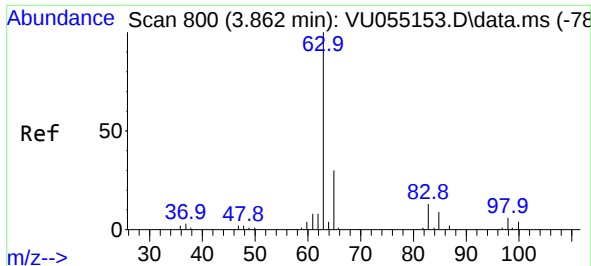
Tgt Ion: 73 Resp: 14669
Ion Ratio Lower Upper
73 100
43 24.3 16.2 24.2#
57 23.6 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.143 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

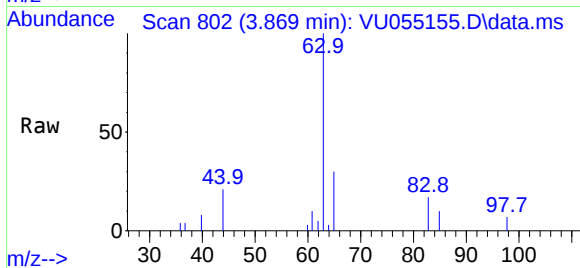
Tgt Ion: 96 Resp: 1145
Ion Ratio Lower Upper
96 100
61 122.6 108.1 200.9
98 59.5 45.4 84.4



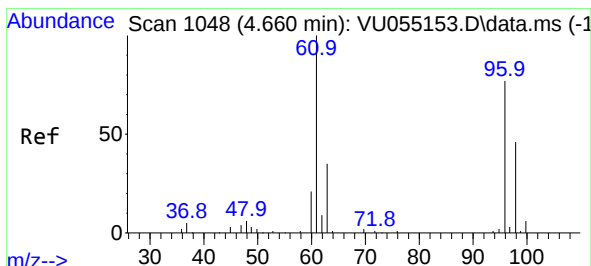
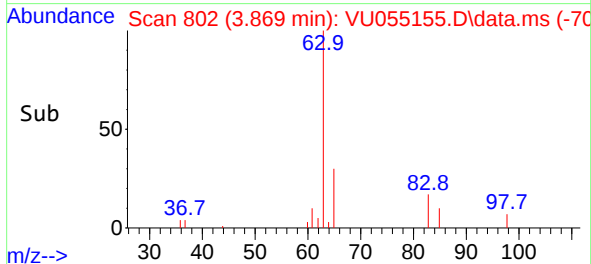
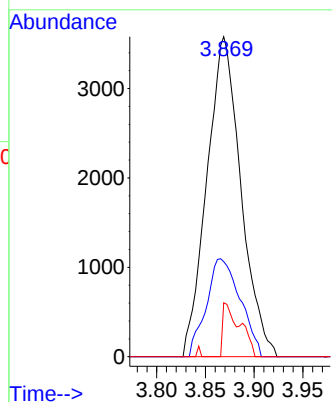


#19
1,1-Dichloroethane
Concen: 0.502 ug/L
RT: 3.869 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

Instrument :
MSVOA_U
ClientSampleId :

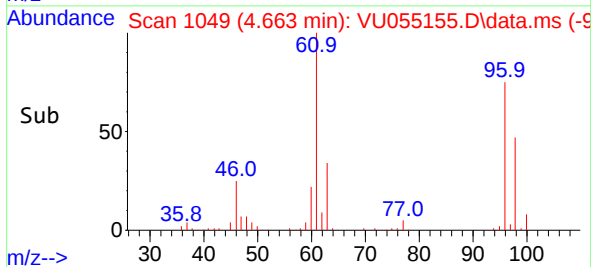
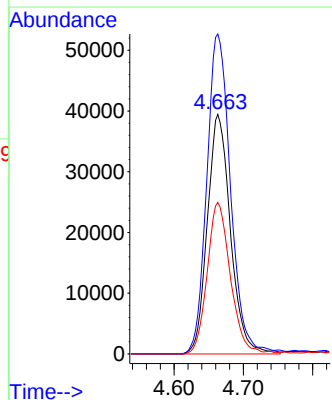
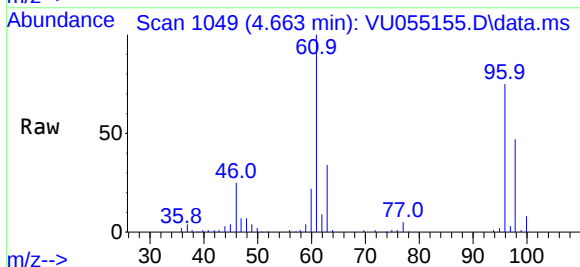


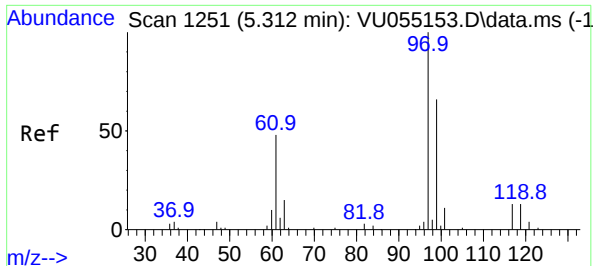
Tgt Ion: 63 Resp: 8698
Ion Ratio Lower Upper
63 100
65 29.7 22.2 41.2
83 16.8 10.6 19.8



#22
cis-1,2-Dichloroethene
Concen: 9.326 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

Tgt Ion: 96 Resp: 91557
Ion Ratio Lower Upper
96 100
61 133.6 97.2 180.4
98 63.3 46.1 85.7

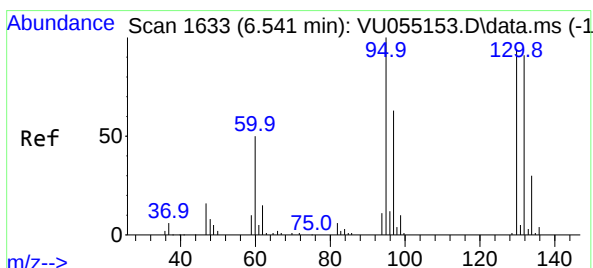
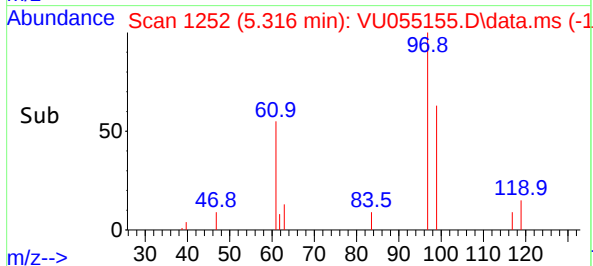
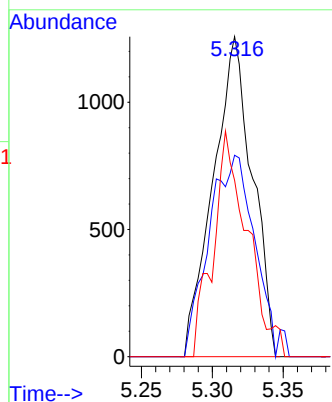
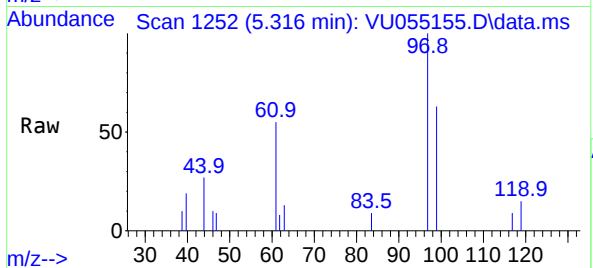




#29
1,1,1-Trichloroethane
Concen: 0.160 ug/L
RT: 5.316 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

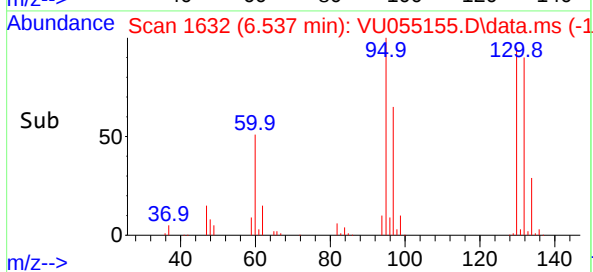
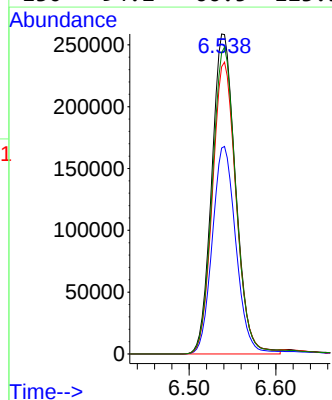
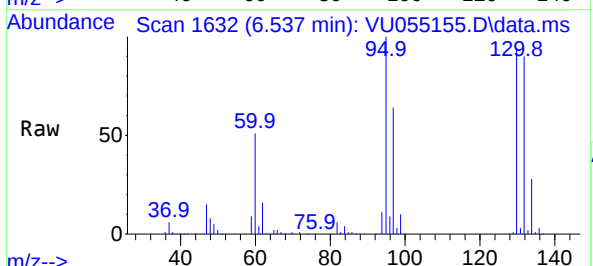
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ClientSampleId :

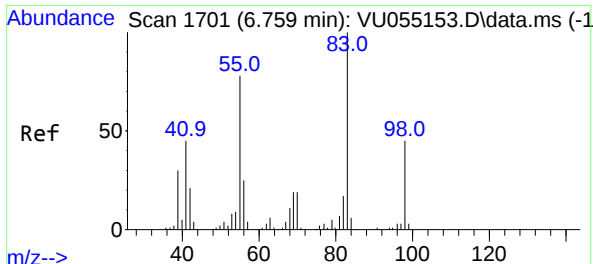
Tgt Ion: 97 Resp: 2425
Ion Ratio Lower Upper
97 100
99 72.7 51.8 77.8
61 61.4 36.8 55.2#



#34
Trichloroethene
Concen: 47.648 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

Tgt Ion: 95 Resp: 494649
Ion Ratio Lower Upper
95 100
97 64.3 44.7 83.1
132 89.7 66.6 123.6
130 94.2 66.5 123.5

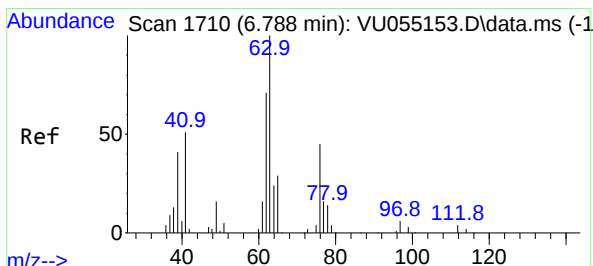
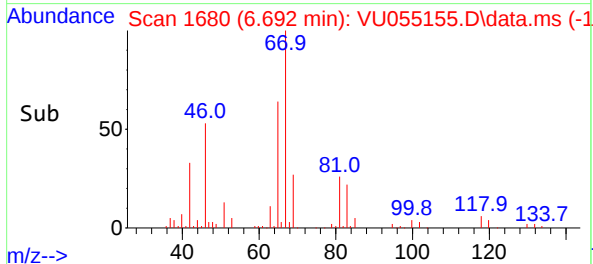
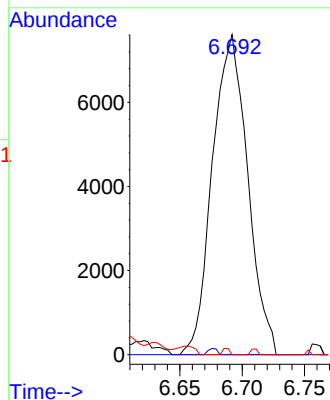
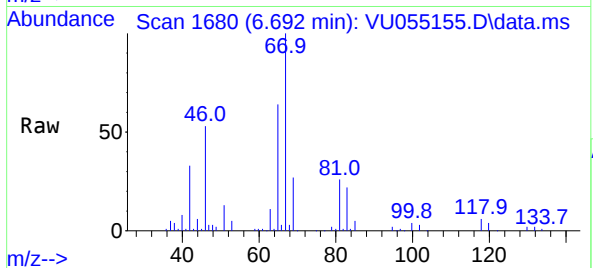




#35
Methylcyclohexane
Concen: 1.028 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.067 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

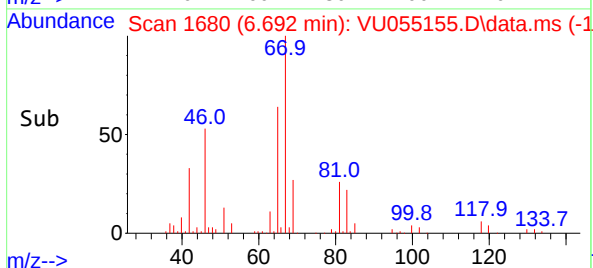
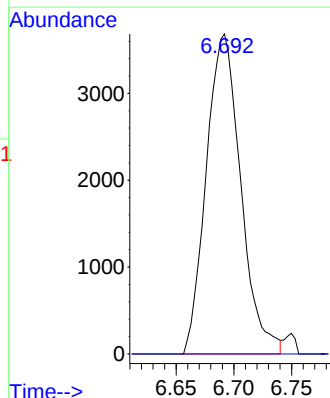
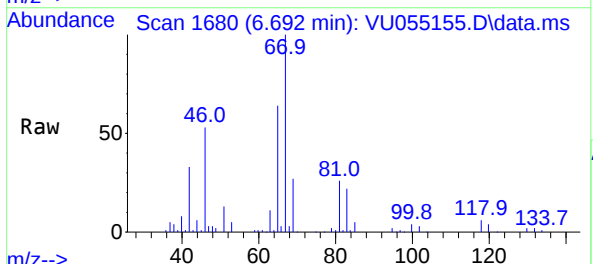
Instrument :
MSVOA_U
ClientSampleId :

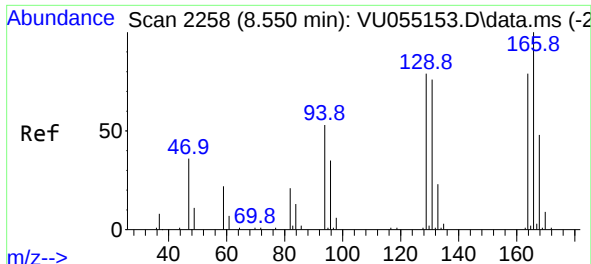
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.5	60.4	90.6#
98	0.0	35.3	52.9#



#37
1,2-Dichloropropane
Concen: 0.753 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.096 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

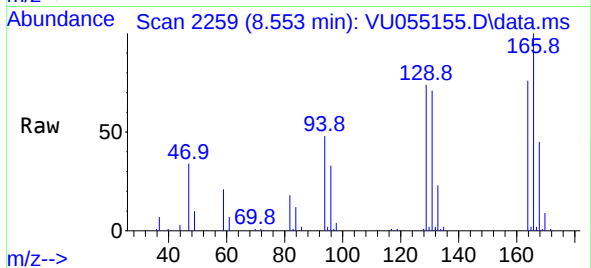
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



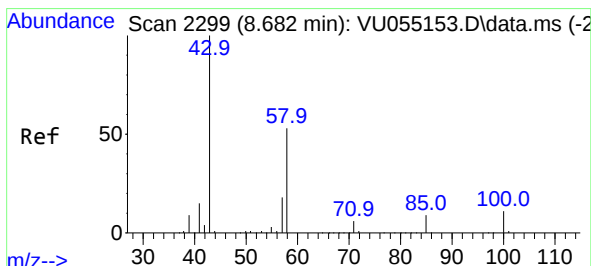
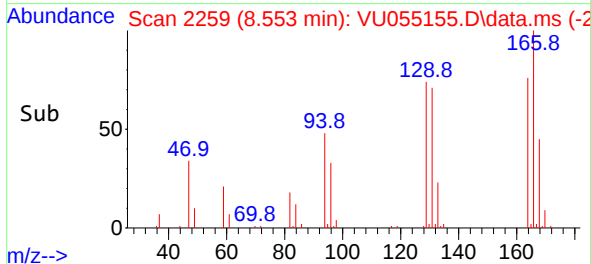
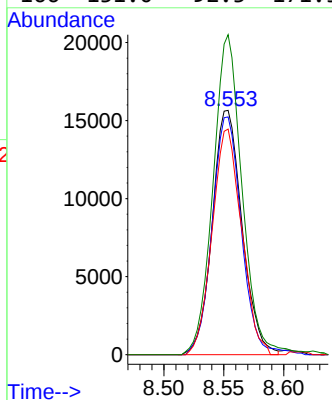


#47
Tetrachloroethene
Concen: 3.767 ug/L
RT: 8.553 min Scan# 210
Delta R.T. 0.000 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

Instrument :
MSVOA_U
ClientSampleId :

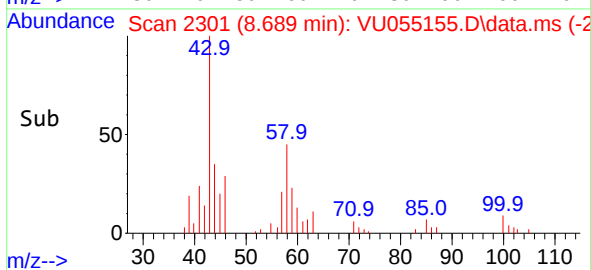
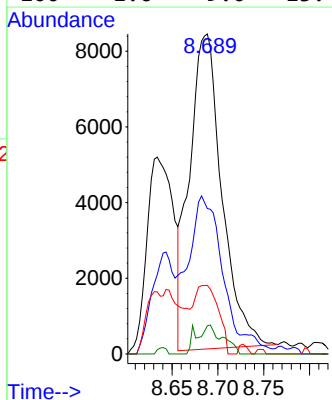
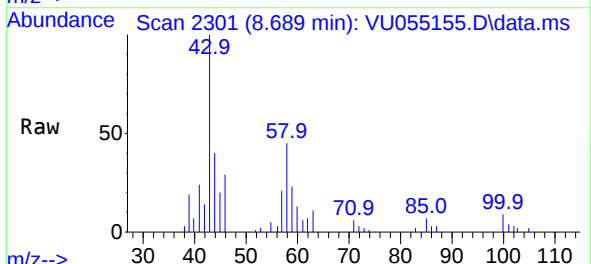


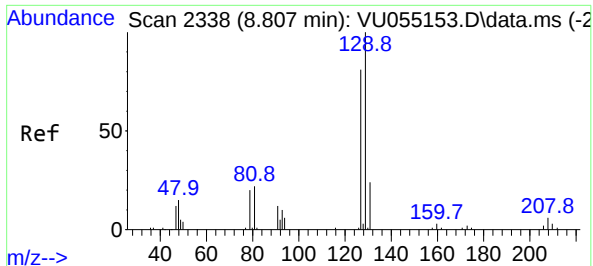
Tgt Ion:164 Resp: 27031
Ion Ratio Lower Upper
164 100
129 97.3 69.2 128.6
131 92.4 68.8 127.8
166 131.0 92.3 171.5



#48
2-Hexanone
Concen: 4.510 ug/L
RT: 8.689 min Scan# 2301
Delta R.T. 0.007 min
Lab File: VU055155.D
Acq: 06 Sep 2023 21:44

Tgt Ion: 43 Resp: 20494
Ion Ratio Lower Upper
43 100
58 39.9 44.0 66.0#
57 16.2 16.2 24.2
100 1.6 9.0 13.4#





#49

Dibromochloromethane

Concen: 3.458 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU055155.D

Acq: 06 Sep 2023 21:44

Instrument :

MSVOA_U

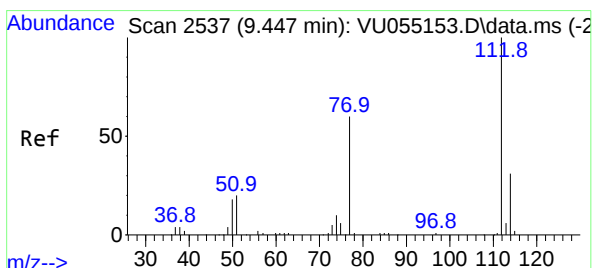
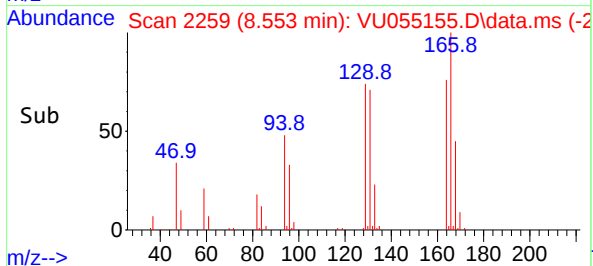
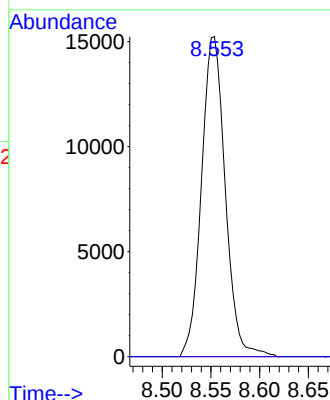
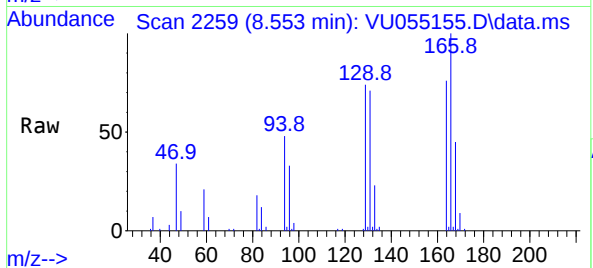
ClientSampleId :

Tgt Ion:129 Resp: 25858

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#51

Chlorobenzene

Concen: 0.157 ug/L

RT: 9.451 min Scan# 2538

Delta R.T. 0.003 min

Lab File: VU055155.D

Acq: 06 Sep 2023 21:44

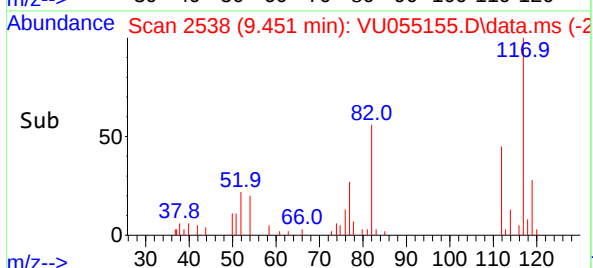
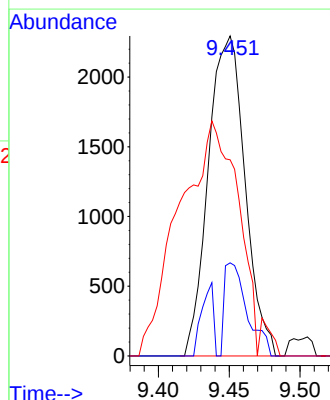
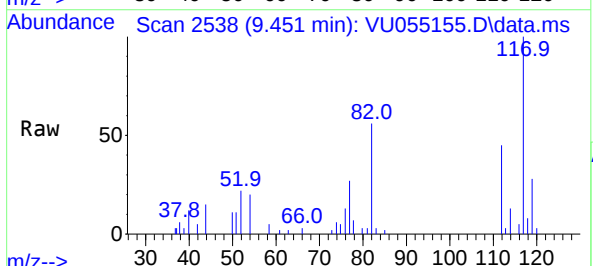
Tgt Ion:112 Resp: 4140

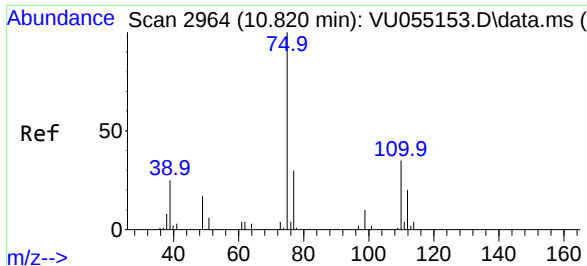
Ion Ratio Lower Upper

112 100

114 27.0 21.7 40.3

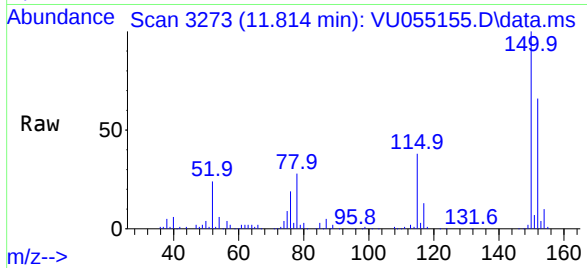
77 70.6 48.6 72.8





#61
 1,2,3-Trichloropropane
 Concen: 2.139 ug/L
 RT: 11.814 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU055155.D
 Acq: 06 Sep 2023 21:44

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 12810
 Ion Ratio Lower Upper
 75 100
 110 1.9 28.2 42.2#
 77 31.9 26.2 39.4

